

Converting Colors

XYZ(81.0464, 87.4086,
120.5888)

Have a look what the booklet for
XYZ(81.0464, 87.4086, 120.5888)
contains.

XYZ(78.4250, 86.3684, 107.1451)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.4250, 86.3684,
107.1451)**

Conversions

Conversions Part 1

Format	Color
Hex	D7F4FF
RGB	215, 244, 255
RGB Percent	84%, 96%, 100%
CMY	0.1569, 0.0431, 0.0000
CMYK	0.16, 0.04, 0.00, 0.00
HSL	196°, 100%, 92%
HSV	196°, 16%, 100%
XYZ	78.4250, 86.3684, 107.1451
YIQ	236.5830, -20.8150, -2.7270

Conversions

Conversions Part 2

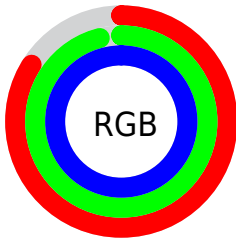
Format	Color
R _Y B	215, 232, 255
Decimal	14152959
CIE Lab	94.47, -7.20, -8.47
CIE LCh	94, 11.110, 229.635
Yxy	86.3684, 0.2884, 0.3176
Android (android.graphics.Color)	4292343039 (0xFFD7F4FF)
YUV	236.5830, 9.0796, -18.9283
Hunter-Lab	92.9346, -12.0042, -3.3017

Details

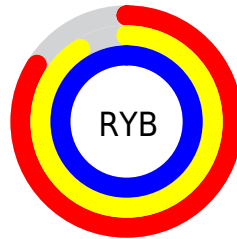
The XYZ color **78.4250, 86.3684, 107.1451** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.7017, 80.5577, 75.5874**, and the grayscale version is **80.1216, 84.2941, 91.7963**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6735, 47.5172, 60.3487** is the 20% darker color. If you saturate the color by 10%, you get **69.4440, 78.6689, 106.1323**, and if you desaturate by 10%, it is **88.6578, 94.8369, 108.2403**.

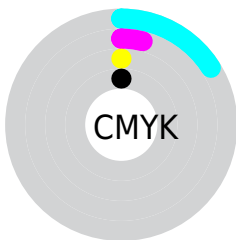
Distribution



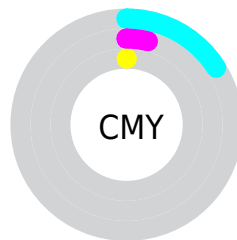
- Red (84%)
- Green (96%)
- Blue (100%)



- Red (84%)
- Yellow (91%)
- Blue (100%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4250, 86.3684, 107.1451 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 78.4250, 86.3684, 107.1451 by changing the saturation by 10% instead.

78.4250, 86.3684,
107.1451

78.4250, 86.3684,
107.1451

478.4267,
516.1452, 604.3069

58.7272, 64.9727,
81.6309

130.1113,
142.2835, 173.0793

42.6390, 47.4389,
60.5273

162.8304,
177.5716, 214.3363

29.7953, 33.3828,
43.4157

200.6207,
218.2593, 261.6781

19.8306, 22.4198,
29.8776

243.8475,
264.7309, 315.5232

12.3795, 14.1657,
19.4945

292.8761,
317.3710, 376.2901

7.0767, 8.2360,
11.8477

348.0720,

3.5569, 4.2463,

376.5637, 444.3973

6.5188

409.8004,
442.6937, 520.2634

■ 1.4546, 1.8123,
3.0892

■ 0.2947, 0.4948,
1.1403

■ 78.4250, 86.3684,
107.1451

■ 78.4250, 86.3684,
107.1451

■ 69.4440, 78.6689,
106.1323

■ 88.6578, 94.8369,
108.2403

■ 61.6532, 71.6984,
105.1975

95.0500, 100.0000,
108.9000

■ 54.9958, 65.4287,
104.3382

■ 49.4076, 59.8253,
103.5511

■ 44.8174, 54.8501,
102.8328

■ 41.1448, 50.4603,
102.1790

■ 38.2962, 46.6062,
101.5852

■ 36.1558, 43.2266,
101.0457

■ 35.3787, 41.8774,
100.8262

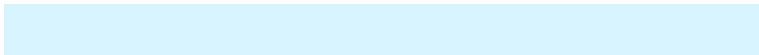
Harmonies

Analogous

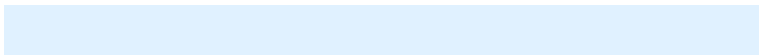
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7966, 86.3684, 99.6796



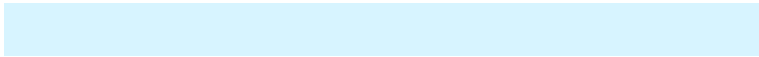
78.4250, 86.3684, 107.1451



81.0611, 86.3684, 111.1754

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4250, 86.3684, 107.1451



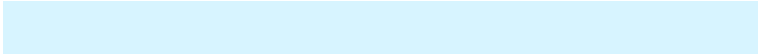
87.8738, 86.3684, 97.0324



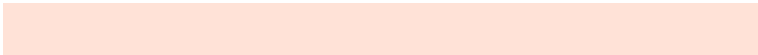
80.1747, 86.3684, 79.3767

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



78.4250, 86.3684, 107.1451



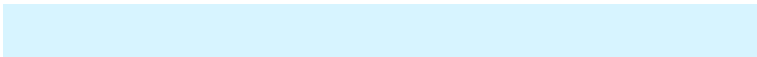
80.7017, 80.5577, 75.5874

Split Complementary

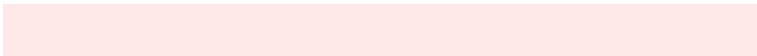
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1287, 86.3684, 78.7634



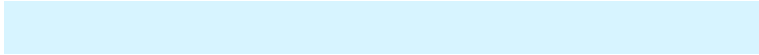
78.4250, 86.3684, 107.1451



87.6225, 86.3684, 88.6182

Square

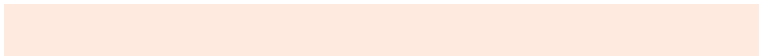
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



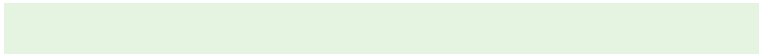
78.4250, 86.3684, 107.1451



86.5471, 86.3684, 105.1064



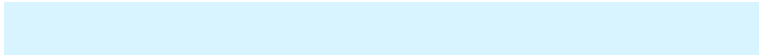
85.8686, 86.3684, 82.0505



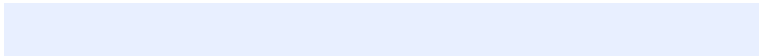
77.7897, 86.3684, 83.7799

Rectangle

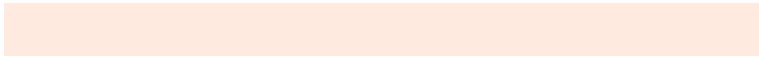
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



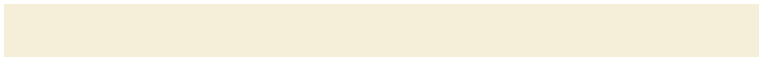
78.4250, 86.3684, 107.1451



83.0561, 86.3684, 111.2160



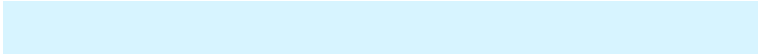
85.8686, 86.3684, 82.0505



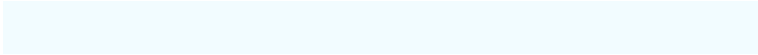
81.1325, 86.3684, 78.7311

Sweetspot

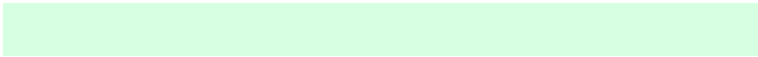
The Sweet Spot groups the original color and five complimentary colors.



78.4273, 86.3719, 107.1456



89.4059, 95.4456, 108.3184



77.4671, 91.4402, 85.2800



18.9724, 20.2957, 23.1675



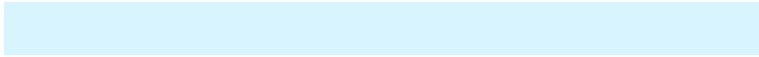
0.0000, 0.0000, 0.0000



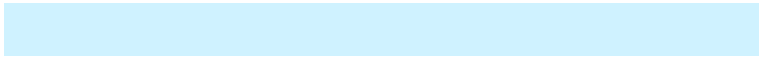
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4273, 86.3719, 107.1456



75.3140, 83.7355, 106.8008



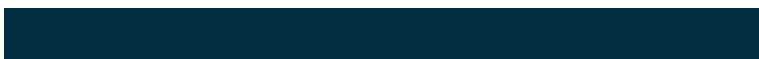
72.8209, 75.1591, 105.2768



18.1079, 19.5874, 23.0763



18.6175, 22.1445, 52.7277



1.9042, 2.3390, 5.1644

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



81.8710, 76.3941, 96.0225



79.4232, 72.0596, 93.4767



86.3607, 91.8757, 77.4737



18.5671, 18.2102, 21.6035



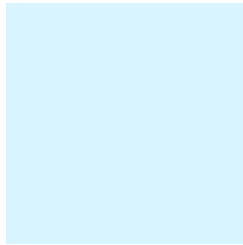
26.1854, 12.9635, 25.4247



2.5957, 1.2807, 2.7185

Previews

White Background



This preview shows how the XYZ color 78.4250, 86.3684, 107.1451 looks on a white background.

Color Contrast Check

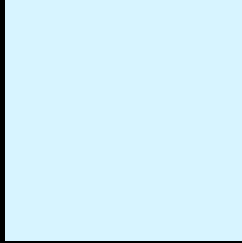
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 78.4250, 86.3684, 107.1451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

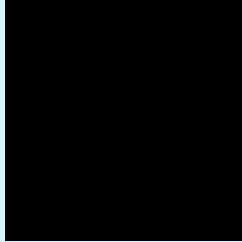
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

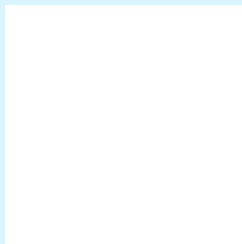
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4250, 86.3684, 107.1451

Background



This preview shows how black text looks on a background with the XYZ color 78.4250, 86.3684, 107.1451.

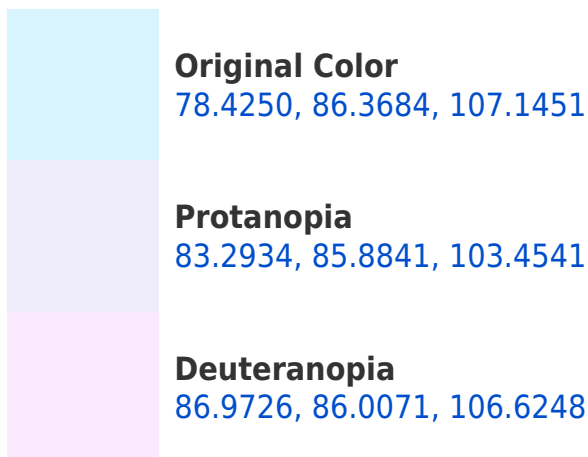


This preview shows how white text looks on a background with the XYZ color 78.4250, 86.3684,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

80.5426, 86.5716, 107.0727

Trichromacy



Original Color

78.4250, 86.3684, 107.1451

Protanomaly

81.3639, 86.1714, 104.4399

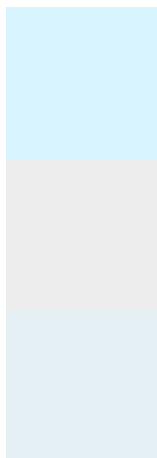
Deuteranomaly

83.5941, 85.9655, 106.7949

Tritanomaly

79.9194, 86.6933, 107.1290

Monochromacy



Original Color

78.4250, 86.3684, 107.1451

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.8023, 85.5098, 97.8870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4250, 86.3684, 107.1451 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(215, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 244, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(215, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.4250, 86.3684, 107.1451 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 244, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(215, 244, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(215, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4250, 86.3684, 107.1451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 244, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(215,  
244, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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