

Converting Colors

XYZ(79.8101, 88.2877,
117.1345)

Have a look what the booklet for
XYZ(79.8101, 88.2877, 117.1345)
contains.

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Color

**XYZ(77.8891, 87.4432,
107.3808)**

Conversions

Conversions Part 1

Format	Color
Hex	D2F7FF
RGB	210, 247, 255
RGB Percent	82%, 97%, 100%
CMY	0.1765, 0.0314, 0.0000
CMYK	0.18, 0.03, 0.00, 0.00
HSL	191°, 100%, 91%
HSV	191°, 18%, 100%
XYZ	77.8891, 87.4432, 107.3808
YIQ	236.8490, -24.6200, -5.3560

Conversions

Conversions Part 2

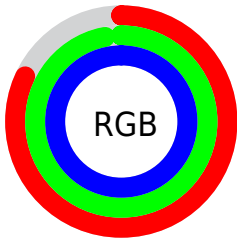
Format	Color
R _Y B	210, 230, 255
Decimal	13826047
CIE Lab	94.93, -10.23, -7.82
CIE LCh	95, 12.882, 217.401
Yxy	87.4432, 0.2856, 0.3206
Android (android.graphics.Color)	4292016127 (0xFFD2F7FF)
YUV	236.8490, 8.9484, -23.5466
Hunter-Lab	93.5111, -14.9646, -2.6263

Details

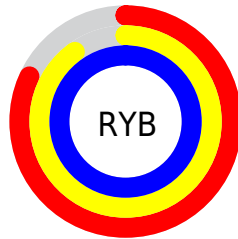
The XYZ color **77.8891, 87.4432, 107.3808** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.9439, 76.0547, 71.5463**, and the grayscale version is **80.3290, 84.5124, 92.0340**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3414, 48.3074, 60.5187** is the 20% darker color. If you saturate the color by 10%, you get **69.8313, 81.2596, 106.6119**, and if you desaturate by 10%, it is **87.1419, 94.2974, 108.2161**.

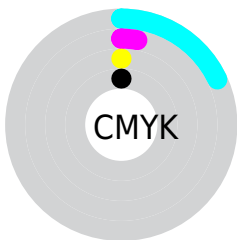
Distribution



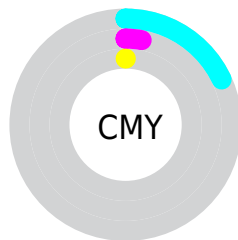
- Red (82%)
- Green (97%)
- Blue (100%)



- Red (82%)
- Yellow (90%)
- Blue (100%)



- Cyan (18%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8891, 87.4432, 107.3808 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 77.8891, 87.4432, 107.3808 by changing the saturation by 10% instead.

77.8891, 87.4432,
107.3808

77.8891, 87.4432,
107.3808

476.6357,
519.6781, 605.0534

58.2853, 65.8620,
81.8276

129.3600,
143.7817, 173.4037

42.2822, 48.1604,
60.6884

161.9578,
179.3079, 214.7105

29.5144, 33.9539,
43.5448

199.6177,
220.2511, 262.1055

19.6166, 22.8582,
29.9783

242.7050,
266.9959, 316.0073

12.2233, 14.4889,
19.5702

291.5851,
319.9266, 376.8345

6.9692, 8.4614,
11.9020

346.6234,

3.4890, 4.3916,

379.4276, 445.0056

6.5553

408.1851,
445.8833, 520.9390

■ 1.4173, 1.8949,
3.1114

■ 0.2685, 0.5453,
1.1518

■ 77.8891, 87.4432,
107.3808

■ 77.8891, 87.4432,
107.3808

■ 69.8313, 81.2596,
106.6119

■ 87.1419, 94.2974,
108.2161

■ 62.9068, 75.7076,
105.9052

95.0500, 100.0000,
108.9000

■ 57.0584, 70.7596,
105.2584

■ 52.2215, 66.3820,
104.6684

■ 48.3239, 62.5371,
104.1317

■ 45.2838, 59.1826,
103.6444

■ 43.0048, 56.2682,
103.2020

■ 41.3598, 53.7281,
102.7984

■ 41.0210, 53.1620,
102.7070

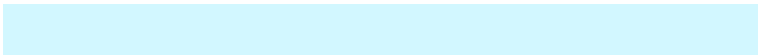
Harmonies

Analogous

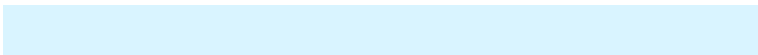
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6269, 87.4432, 97.7107



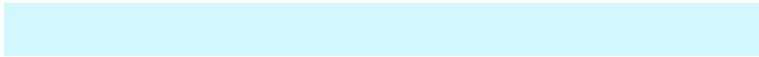
77.8891, 87.4432, 107.3808



80.5574, 87.4432, 114.0996

Triad

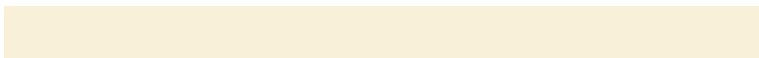
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8891, 87.4432, 107.3808



89.4695, 87.4432, 102.7967



82.2498, 87.4432, 77.3784

Complementary

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



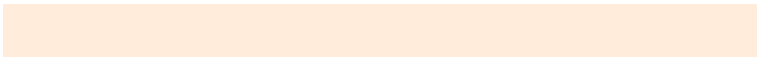
77.8891, 87.4432, 107.3808



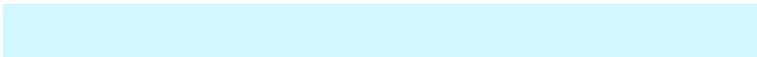
77.9439, 76.0547, 71.5463

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.



85.7203, 87.4432, 78.5309



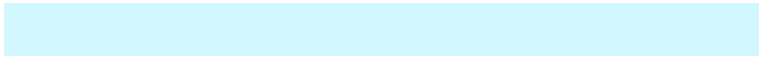
77.8891, 87.4432, 107.3808



89.9533, 87.4432, 92.7539

Square

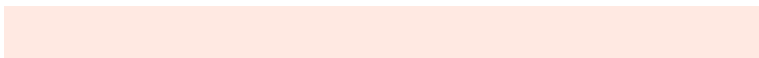
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8891, 87.4432, 107.3808



87.2595, 87.4432, 111.3263



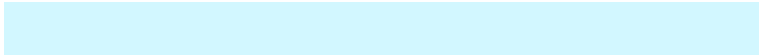
88.5636, 87.4432, 83.9969



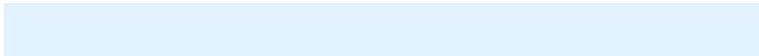
79.0983, 87.4432, 80.7308

Rectangle

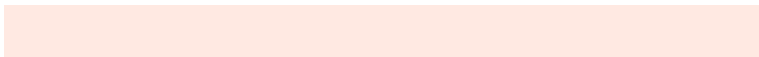
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8891, 87.4432, 107.3808



82.8079, 87.4432, 115.7518



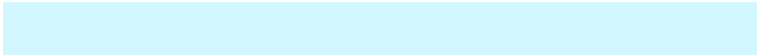
88.5636, 87.4432, 83.9969



83.4171, 87.4432, 77.2561

Sweetspot

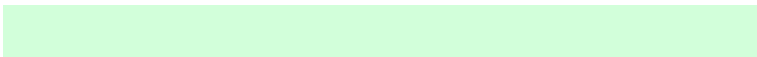
The Sweet Spot groups the original color and five complimentary colors.



77.8914, 87.4467, 107.3813



89.7954, 96.2247, 108.4482



74.9288, 90.2579, 79.4609



19.0673, 20.4855, 23.1991



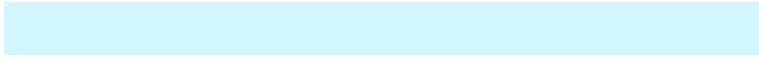
0.0000, 0.0000, 0.0000



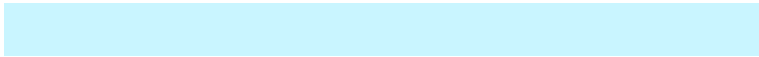
20.3446, 21.4041, 23.3091

Same Dimension

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



77.8914, 87.4467, 107.3813



75.0581, 85.2990, 107.1161



71.5547, 74.7733, 105.2691



18.2642, 19.9000, 23.1284



21.5342, 27.9781, 53.6999



2.1653, 2.8613, 5.2514

Inverse Universe

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



81.0765, 74.0701, 98.0236



78.7874, 69.8657, 96.1083



84.0335, 88.2339, 73.5762



18.6460, 18.2417, 22.0190



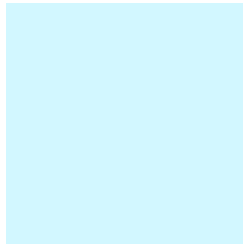
27.6577, 13.5524, 33.1775



2.7275, 1.3334, 3.4126

Previews

White Background



This preview shows how the XYZ color 77.8891, 87.4432, 107.3808 looks on a white background.

Color Contrast Check

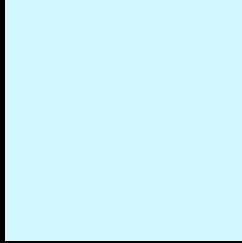
Large Text (above 18pt) WCAG AA × Fail

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 77.8891, 87.4432, 107.3808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

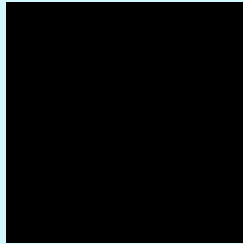
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.8891, 87.4432, 107.3808

Background



This preview shows how black text looks on a background with the XYZ color 77.8891, 87.4432, 107.3808.



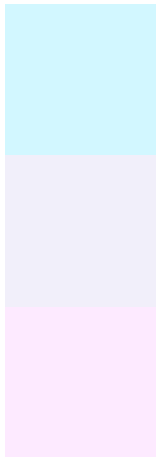
This preview shows how white text looks on a background with the XYZ color 77.8891, 87.4432,

107.3808.

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



Original Color

77.8891, 87.4432, 107.3808

Protanopia

84.3974, 87.3359, 102.8518

Deuteranopia

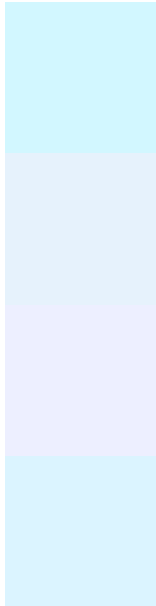
87.9808, 86.9483, 106.7533



Tritanopia

80.8411, 87.1685, 107.1722

Trichromacy



Original Color

77.8891, 87.4432, 107.3808

Protanomaly

81.9559, 87.3555, 104.6372

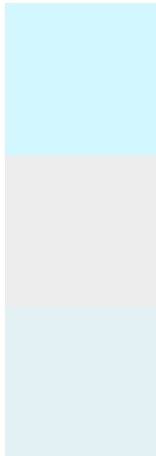
Deuteranomaly

83.8416, 86.9575, 106.9733

Tritanomaly

79.6141, 86.9814, 107.2007

Monochromacy



Original Color

77.8891, 87.4432, 107.3808

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.4630, 85.7731, 97.9557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8891, 87.4432, 107.3808 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(210, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 247, 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(210, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.8891, 87.4432, 107.3808 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(210, 247, 255) }
```


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

```
.border{ border-color:rgb(210, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8891, 87.4432, 107.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 247, 255) }
```

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

```
.background{ background-color: rgb(210,  
247, 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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