

Converting Colors

XYZ(78.2090, 86.4893, 96.6421)

Have a look what the booklet for
XYZ(78.2090, 86.4893, 96.6421)
contains.

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Color

**XYZ(78.1965, 86.4843,
96.5761)**

Conversions

Conversions Part 1

Format	Color
Hex	DDF4F2
RGB	221, 244, 242
RGB Percent	87%, 96%, 95%
CMY	0.1333, 0.0431, 0.0510
CMYK	0.09, 0.00, 0.01, 0.04
HSL	175°, 51%, 91%
HSV	175°, 9%, 96%
XYZ	78.1965, 86.4843, 96.5761
YIQ	236.8950, -13.0660, -5.4980

Conversions

Conversions Part 2

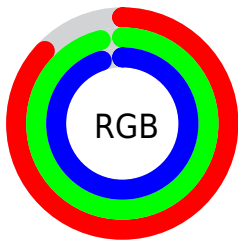
Format	Color
R _Y B	221, 233, 244
Decimal	14546162
CIE Lab	94.52, -7.86, -1.61
CIE LCh	95, 8.028, 191.580
Yxy	86.4843, 0.2993, 0.3310
Android (android.graphics.Color)	4292736242 (0xFFDDDF4F2)
YUV	236.8950, 2.5168, -13.9399
Hunter-Lab	92.9969, -12.6529, 3.5260

Details

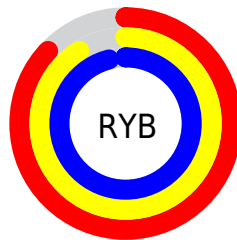
The XYZ color **78.1965, 86.4843, 96.5761** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.4871, 76.2761, 80.5076**, and the grayscale version is **80.4060, 84.5934, 92.1222**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5720, 47.6186, 53.4019** is the 20% darker color. If you saturate the color by 10%, you get **70.9838, 82.8051, 94.5835**, and if you desaturate by 10%, it is **86.4975, 90.7289, 98.6426**.

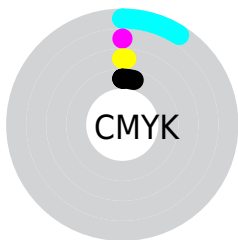
Distribution



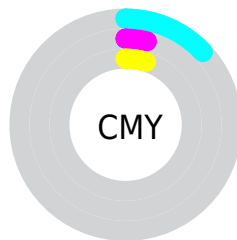
- Red (87%)
- Green (96%)
- Blue (95%)



- Red (87%)
- Yellow (91%)
- Blue (96%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)



- Cyan (13%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1965, 86.4843, 96.5761 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 78.1965, 86.4843, 96.5761 by changing the saturation by 10% instead.

78.1965, 86.4843,
96.5761

78.1965, 86.4843,
96.5761

477.6635,
516.5268, 570.3112

58.5388, 65.0685,
72.8433

129.7910,
142.4451, 158.4545

42.4869, 47.5166,
53.3568

162.4584,
177.7590, 197.4373

29.6755, 33.4443,
37.6980

200.1932,
218.4743, 242.3404

19.7392, 22.4670,
25.4484

243.3606,
264.9755, 293.5825

12.3128, 14.2004,
16.1894

292.3259,
317.6469, 351.5821

7.0308, 8.2602,
9.5025

347.4546,

3.5279, 4.2619,

376.8730, 416.7577

4.9691

409.1120,
443.0382, 489.5279

■ 1.4387, 1.8211,
2.1707

■ 0.2835, 0.5003,
0.6574

■ 78.1965, 86.4843,
96.5761

■ 78.1965, 86.4843,
96.5761

■ 70.9838, 82.8051,
94.5835

■ 86.4975, 90.7289,
98.6426

■ 64.8057, 79.6564,
92.6568

■ 90.2656, 92.6339,
100.5146

■ 59.6149, 77.0162,
90.7956

■ 90.5942, 92.7653,
102.2452

■ 55.3576, 74.8569,
88.9972

■ 90.9266, 92.8983,
103.9954

■ 51.9746, 73.1479,
87.2588

■ 91.2627, 93.0327,
105.7655

■ 49.4004, 71.8554,
85.5774

■ 91.6027, 93.1687,
107.5554

■ 47.5598, 70.9406,
83.9492

■ 91.6423, 93.1846,
107.7641

■ 46.3636, 70.3577,
82.3701

■ 45.6720, 70.0345,
80.8335

Harmonies

Analogous

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



78.3207, 86.4843, 90.4560



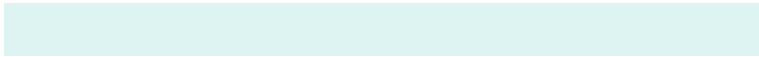
78.1965, 86.4843, 96.5761



79.1312, 86.4843, 102.2883

Triad

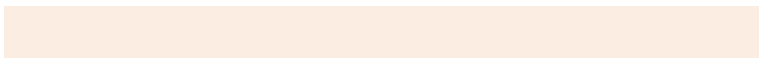
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1965, 86.4843, 96.5761



84.9897, 86.4843, 103.3528



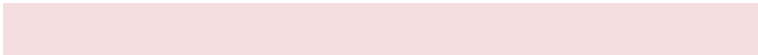
83.5208, 86.4843, 83.3203

Complementary

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



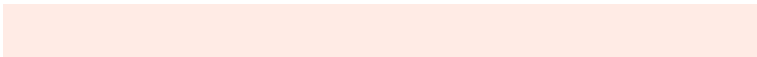
78.1965, 86.4843, 96.5761



76.4871, 76.2761, 80.5076

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.



85.3486, 86.4843, 86.4868



78.1965, 86.4843, 96.5761



86.2069, 86.4843, 97.9775

Square

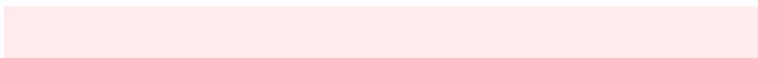
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1965, 86.4843, 96.5761



83.0378, 86.4843, 106.3138



86.3394, 86.4843, 91.7977



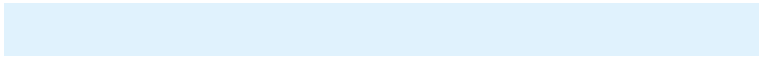
81.3693, 86.4843, 82.9820

Rectangle

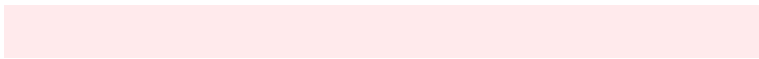
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1965, 86.4843, 96.5761



80.2388, 86.4843, 105.0265



86.3394, 86.4843, 91.7977



84.1944, 86.4843, 84.0825

Sweetspot

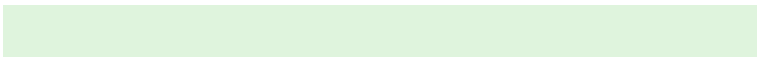
The Sweet Spot groups the original color and five complimentary colors.



78.1990, 86.4879, 96.5780



92.1842, 98.5350, 108.2069



75.9284, 85.6612, 80.9405



19.5713, 21.0088, 23.1213



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.



78.1990, 86.4879, 96.5780



85.0819, 94.9064, 106.3932



75.8016, 81.2090, 97.2719



16.9308, 18.7315, 20.9199



24.8402, 38.0809, 44.0395



2.2012, 3.3541, 3.9652

Inverse Universe

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



76.4871, 76.2761, 80.5076



82.8933, 81.8500, 85.8466



78.7149, 81.1615, 79.9251



16.5577, 16.5059, 17.4176



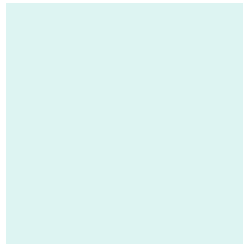
20.3813, 10.4960, 1.4504



1.8109, 0.9303, 0.2308

Previews

White Background



This preview shows how the XYZ color 78.1965, 86.4843, 96.5761 looks on a white background.

Color Contrast Check

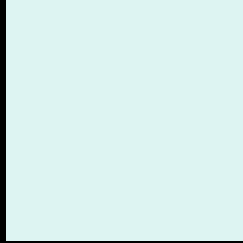
Large Text (above 18pt) WCAG AA × Fail

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 78.1965, 86.4843, 96.5761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

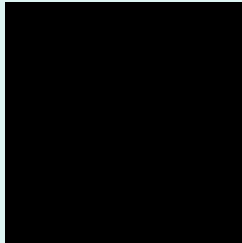
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

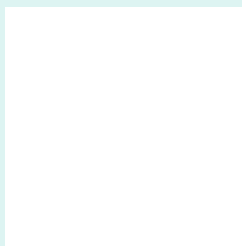
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.1965, 86.4843, 96.5761

Background



This preview shows how black text looks on a background with the XYZ color 78.1965, 86.4843, 96.5761.



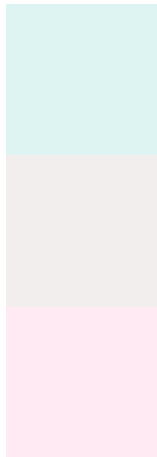
This preview shows how white text looks on a background with the XYZ color 78.1965, 86.4843,

96.5761.

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

78.1965, 86.4843, 96.5761

Protanopia

82.9693, 86.3768, 93.1884

Deuteranopia

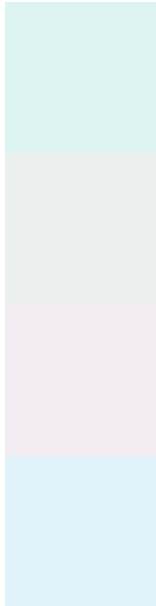
86.5566, 86.0089, 96.8334



Tritanopia

81.5002, 86.6246, 107.0324

Trichromacy



Original Color

78.1965, 86.4843, 96.5761

Protanomaly

81.0010, 86.2143, 94.0332

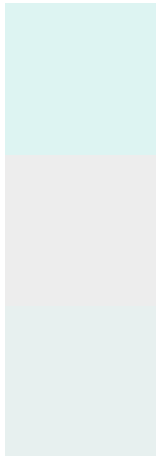
Deuteranomaly

83.4240, 86.0941, 97.0149

Tritanomaly

80.0588, 86.4139, 102.9025

Monochromacy



Original Color

78.1965, 86.4843, 96.5761

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.6951, 85.5411, 93.9721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1965, 86.4843, 96.5761 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(221, 244, 242)` looks like.

```
.text, #text, p{  
    color:rgb(221, 244, 242)  
}
```

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(221, 244, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 244, 242) }
```

Border

The CSS property to change the border of an element to XYZ 78.1965, 86.4843, 96.5761 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(221, 244, 242) }
```


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

```
.border{ border-color:rgb(221, 244, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 244, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 244, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 244, 242);  
box-shadow:4px 4px 4px 4px rgb(221, 244,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1965, 86.4843, 96.5761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 244, 242) }
```

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

```
.background{ background-color: rgb(221,  
244, 242) }
```

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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