

Converting Colors

XYZ(65.8125, 79.1014, 85.2407)

Have a look what the booklet for
XYZ(65.8125, 79.1014, 85.2407)
contains.

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Color

**XYZ(65.7086, 78.9511,
85.1747)**

Conversions

Conversions Part 1

Format	Color
Hex	BAF1E4
RGB	186, 241, 228
RGB Percent	73%, 95%, 89%
CMY	0.2706, 0.0549, 0.1059
CMYK	0.23, 0.00, 0.05, 0.05
HSL	166°, 66%, 84%
HSV	166°, 23%, 95%
XYZ	65.7086, 78.9511, 85.1747
YIQ	223.0730, -28.6070, -15.7030

Conversions

Conversions Part 2

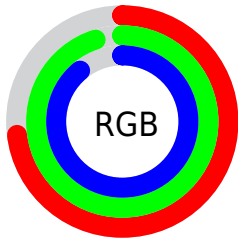
Format	Color
R _Y B	186, 217, 241
Decimal	12251620
CIE Lab	91.21, -20.01, 0.57
CIE LCh	91, 20.018, 178.375
Yxy	78.9511, 0.2859, 0.3435
Android (android.graphics.Color)	4290441700 (0xFFBAF1E4)
YUV	223.0730, 2.4290, -32.5130
Hunter-Lab	88.8544, -23.4930, 5.3635

Details

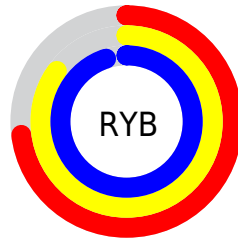
The XYZ color **65.7086, 78.9511, 85.1747** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.1461, 57.9442, 61.8396**, and the grayscale version is **70.1908, 73.8461, 80.4185**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **34.4075, 42.6206, 45.9483** is the 20% darker color. If you saturate the color by 10%, you get **59.5627, 75.8748, 80.8273**, and if you desaturate by 10%, it is **72.8725, 82.5534, 89.7092**.

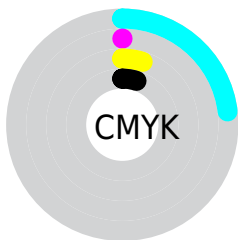
Distribution



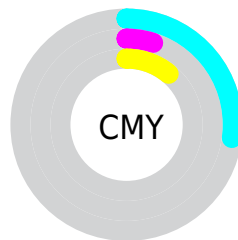
- Red (73%)
- Green (95%)
- Blue (89%)



- Red (73%)
- Yellow (85%)
- Blue (95%)



- Cyan (23%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)



- Cyan (27%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7086, 78.9511, 85.1747 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 65.7086, 78.9511, 85.1747 by changing the saturation by 10% instead.

65.7086, 78.9511,
85.1747

65.7086, 78.9511,
85.1747

434.8391,
491.3909, 532.3656

48.3027, 58.8556,
63.4348

112.1280,
131.8900, 142.4936

34.2789, 42.4969,
45.7498

141.8723,
165.5022, 178.9096

23.2719, 29.4906,
31.7012

176.4601,
204.3888, 221.0547

14.9162, 19.4522,
20.8704

216.2567,
248.9341, 269.3474

8.8465, 11.9975,
12.8390

261.6276,
299.5226, 324.2063

4.6975, 6.7420,
7.1883

312.9381,

2.1038, 3.3013,

356.5386, 386.0500

3.4999

370.5534,
420.3666, 455.2969

■ 0.6913, 1.2910,
1.3552

■ 0.0000, 0.1342,
0.1064

■ 65.7086, 78.9511,
85.1747

■ 65.7086, 78.9511,
85.1747

■ 59.5627, 75.8748,
80.8273

■ 72.8725, 82.5534,
89.7092

■ 54.3784, 73.2891,
76.6579

■ 81.0939, 86.6958,
94.4289

■ 50.1038, 71.1694,
72.6647

■ 89.1925, 90.7717,
99.2815

■ 46.6794, 69.4851,
68.8434

■ 90.0765, 91.1253,
103.9363

■ 44.0385, 68.2018,
65.1895

■ 90.7467, 91.3934,
107.4656

■ 42.1042, 67.2799,
61.6982

■ 40.7832, 66.6713,
58.3636

■ 40.1115, 66.3753,
56.0612

Harmonies

Analogous

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



67.0394, 78.9511, 72.1354



65.7086, 78.9511, 85.1747



66.7832, 78.9511, 99.9321

Triad

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



65.7086, 78.9511, 85.1747



79.7712, 78.9511, 112.9537



80.2712, 78.9511, 64.3085

Complementary

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



65.7086, 78.9511, 85.1747



64.1461, 57.9442, 61.8396

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.



83.9522, 78.9511, 73.3628



65.7086, 78.9511, 85.1747



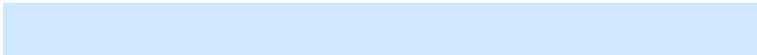
83.6545, 78.9511, 101.4565

Square

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



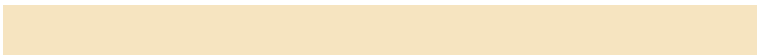
65.7086, 78.9511, 85.1747



74.7644, 78.9511, 117.0133



85.2169, 78.9511, 86.7588



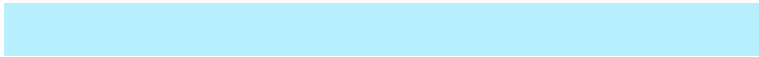
75.3176, 78.9511, 60.9597

Rectangle

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



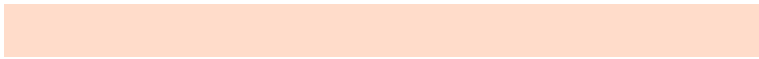
65.7086, 78.9511, 85.1747



68.7475, 78.9511, 108.5771



85.2169, 78.9511, 86.7588



81.7066, 78.9511, 66.7317

Sweetspot

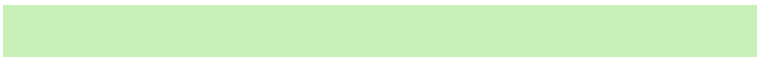
The Sweet Spot groups the original color and five complimentary colors.



65.7108, 78.9543, 85.1765



88.1131, 96.5015, 105.0678



64.0734, 78.7041, 58.2701



18.7379, 20.5939, 22.4192



0.0000, 0.0000, 0.0000



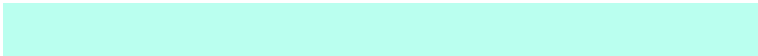
20.3446, 21.4041, 23.3091

Same Dimension

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



65.7108, 78.9543, 85.1765



71.5853, 88.1936, 94.6973



63.6669, 71.8679, 93.7391



16.0782, 17.8613, 19.4349



21.8056, 36.0142, 30.6888



1.8521, 3.0113, 2.7535

Inverse Universe

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



64.1461, 57.9442, 61.8396



69.5418, 60.7256, 64.1983



65.7376, 63.4411, 55.2364



15.9259, 15.8201, 17.1662



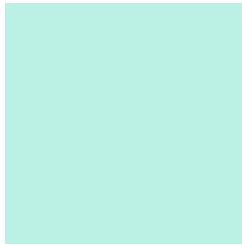
20.1150, 10.3184, 3.2561



1.7108, 0.8734, 0.4681

Previews

White Background



This preview shows how the XYZ color 65.7086, 78.9511, 85.1747 looks on a white background.

Color Contrast Check

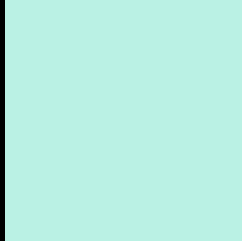
Large Text (above 18pt) WCAG AA × Fail

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 65.7086, 78.9511, 85.1747 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

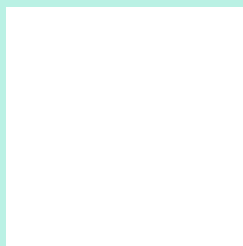
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.7086, 78.9511, 85.1747

Background



This preview shows how black text looks on a background with the XYZ color 65.7086, 78.9511, 85.1747.

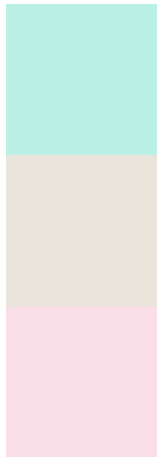


This preview shows how white text looks on a background with the XYZ color 65.7086, 78.9511,

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

65.7086, 78.9511, 85.1747

Protanopia

75.0555, 78.3694, 79.5776

Deuteranopia

80.1111, 78.3927, 87.2529



Tritanopia

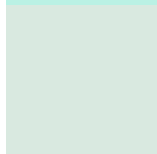
70.3265, 79.1258, 106.1740

Trichromacy



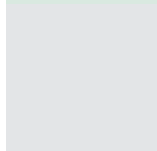
Original Color

65.7086, 78.9511, 85.1747



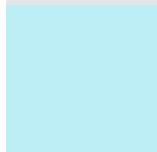
Protanomaly

71.2087, 78.4114, 81.9028



Deuteranomaly

74.1217, 78.1390, 86.7770



Tritanomaly

68.2912, 78.6888, 97.9753

Monochromacy



Original Color

65.7086, 78.9511, 85.1747



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

68.4658, 75.7315, 82.2433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7086, 78.9511, 85.1747 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(186, 241, 228)` looks like.

```
.text, #text, p{  
    color:rgb(186, 241, 228)  
}
```

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(186, 241, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 241, 228) }
```

Border

The CSS property to change the border of an element to XYZ 65.7086, 78.9511, 85.1747 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(186, 241, 228) }
```


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

```
.border{ border-color:rgb(186, 241, 228) }
```

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

Here you see how a box with a 4 pixel rgb(186, 241, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 241, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 241, 228);  
box-shadow:4px 4px 4px 4px rgb(186, 241,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7086, 78.9511, 85.1747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 241, 228) }
```

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

```
.background{ background-color: rgb(186,  
241, 228) }
```

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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