

Converting Colors

XYZ(67.3954, 77.3688, 78.3891)

Have a look what the booklet for
XYZ(67.3954, 77.3688, 78.3891)
contains.

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Color

**XYZ(67.3964, 77.3685,
78.3993)**

Conversions

Conversions Part 1

Format	Color
Hex	CCEBDB
RGB	204, 235, 219
RGB Percent	80%, 92%, 86%
CMY	0.2000, 0.0784, 0.1412
CMYK	0.13, 0.00, 0.07, 0.08
HSL	149°, 44%, 86%
HSV	149°, 13%, 92%
XYZ	67.3964, 77.3685, 78.3993
YIQ	223.9070, -13.3400, -11.5480

Conversions

Conversions Part 2

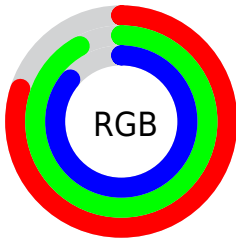
Format	Color
R_{YB}	204, 225, 235
Decimal	13429723
CIE Lab	90.49, -13.15, 4.35
CIE LCh	90, 13.848, 161.709
Yxy	77.3685, 0.3020, 0.3467
Android (android.graphics.Color)	4291619803 (0xFFCCEBDB)
YUV	223.9070, -2.4192, -17.4584
Hunter-Lab	87.9594, -17.1583, 8.7256

Details

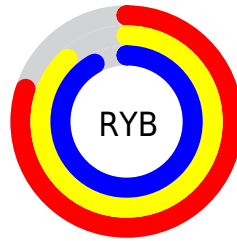
The XYZ color **67.3964, 77.3685, 78.3993** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.7749, 66.0173, 76.8316**, and the grayscale version is **70.8105, 74.4982, 81.1285**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.3986, 41.4046, 41.2481** is the 20% darker color. If you saturate the color by 10%, you get **59.8959, 73.6818, 70.0141**, and if you desaturate by 10%, it is **75.9896, 81.6093, 87.4464**.

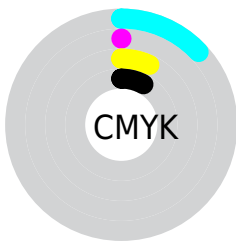
Distribution



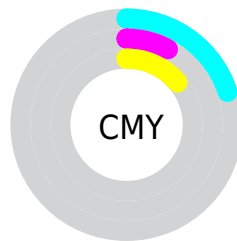
- Red (80%)
- Green (92%)
- Blue (86%)



- Red (80%)
- Yellow (88%)
- Blue (92%)



- Cyan (13%)
- Magenta (0%)
- Yellow (7%)
- Black (8%)



- Cyan (20%)
- Magenta (8%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3964, 77.3685, 78.3993 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 67.3964, 77.3685, 78.3993 by changing the saturation by 10% instead.

67.3964, 77.3685,
78.3993

67.3964, 77.3685,
78.3993

440.7648,
486.0195, 509.0856

49.6787, 57.5554,
57.8837

114.5349,
129.6595, 132.9038

35.3749, 41.4513,
41.3010

144.6864,
162.9062, 167.7298

24.1197, 28.6719,
28.2329

179.7133,
201.3995, 208.1630

15.5477, 18.8327,
18.2607

219.9808,
245.5239, 254.6219

9.2934, 11.5495,
10.9660

265.8543,
295.6637, 307.5251

4.9917, 6.4377,
5.9301

317.6993,

2.2771, 3.1130,

352.2033, 367.2911

2.7345

375.8810,
415.5271, 434.3384

■ 0.7829, 1.1910,
0.9607

■ 0.0000, 0.0544,
0.0000

■ 67.3964, 77.3685,
78.3993

■ 67.3964, 77.3685,
78.3993

■ 59.8959, 73.6818,
70.0141

■ 75.9896, 81.6093,
87.4464

■ 53.4356, 70.5162,
62.2708

■ 85.7119, 86.4163,
97.1648

■ 47.9685, 67.8496,
55.1553

■ 88.9998, 87.8996,
106.8833

■ 43.4413, 65.6550,
48.6516

■ 39.7953, 63.9024,
42.7424

■ 36.9649, 62.5584,
37.4100

■ 34.8747, 61.5844,
32.6353

■ 33.4336, 60.9338,
28.3977

■ 32.7300, 60.6276,
25.8073

Harmonies

Analogous

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



69.1965, 77.3685, 70.7974



67.3964, 77.3685, 78.3993



67.2099, 77.3685, 88.1688

Triad

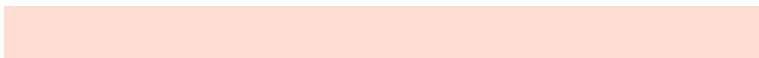
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.3964, 77.3685, 78.3993



74.8954, 77.3685, 104.3181



78.6179, 77.3685, 72.1847

Complementary

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



67.3964, 77.3685, 78.3993



68.7749, 66.0173, 76.8316

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.



80.2480, 77.3685, 80.4319



67.3964, 77.3685, 78.3993



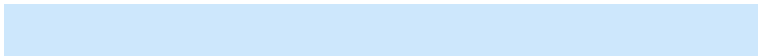
78.0542, 77.3685, 99.2873

Square

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



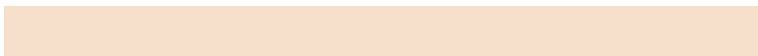
67.3964, 77.3685, 78.3993



71.4673, 77.3685, 103.6662



80.0385, 77.3685, 90.3662



75.6451, 77.3685, 67.4082

Rectangle

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



67.3964, 77.3685, 78.3993



68.0184, 77.3685, 94.6621



80.0385, 77.3685, 90.3662



79.3451, 77.3685, 74.6145

Sweetspot

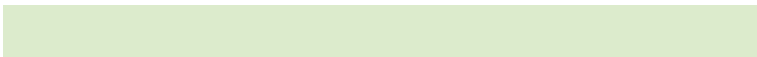
The Sweet Spot groups the original color and five complimentary colors.



67.3986, 77.3718, 78.4010



90.5602, 97.7820, 104.3255



70.1304, 78.9981, 68.6798



19.2081, 20.8427, 22.1489



0.0000, 0.0000, 0.0000



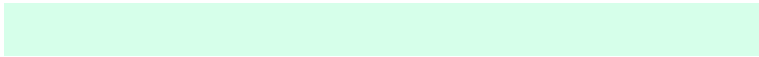
20.3446, 21.4041, 23.3091

Same Dimension

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



67.3986, 77.3718, 78.4010



78.3926, 91.7833, 91.3807



69.5337, 78.2258, 89.6445



15.1719, 16.9836, 17.5883



18.2788, 33.7660, 14.6989



1.4838, 2.6708, 1.4092

Inverse Universe

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



68.7749, 66.0173, 76.8316



80.3703, 75.4676, 89.1253



66.8174, 65.2342, 66.5233



15.3901, 15.1839, 17.3396



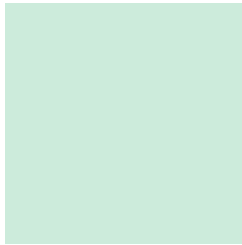
21.0638, 10.6282, 11.4032



1.7026, 0.8540, 1.1514

Previews

White Background



This preview shows how the XYZ color 67.3964, 77.3685, 78.3993 looks on a white background.

Color Contrast Check

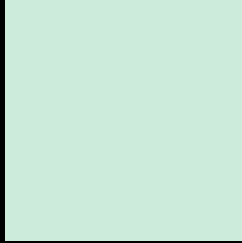
Large Text (above 18pt) WCAG AA × Fail

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 67.3964, 77.3685, 78.3993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

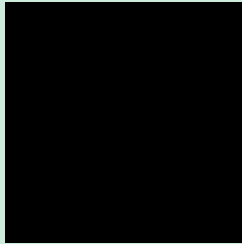
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

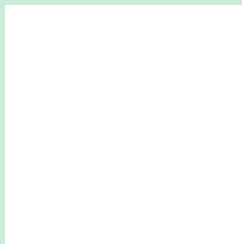
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.3964, 77.3685, 78.3993

Background



This preview shows how black text looks on a background with the XYZ color 67.3964, 77.3685, 78.3993.

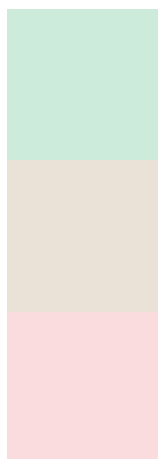


This preview shows how white text looks on a background with the XYZ color 67.3964, 77.3685,

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

67.3964, 77.3685, 78.3993

Protanopia

73.2656, 76.7402, 74.5692

Deuteranopia

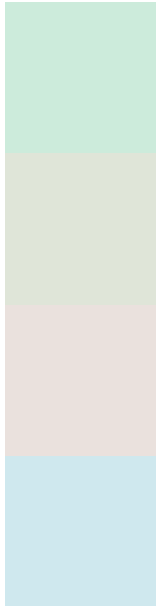
78.5617, 76.9696, 79.8232



Tritanopia

71.9693, 77.5467, 100.7974

Trichromacy



Original Color

67.3964, 77.3685, 78.3993

Protanomaly

70.8454, 76.6845, 76.0334

Deuteranomaly

73.9080, 76.5633, 79.2894

Tritanomaly

70.0214, 77.1517, 92.0902

Monochromacy



Original Color

67.3964, 77.3685, 78.3993

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.5435, 75.5124, 80.0173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3964, 77.3685, 78.3993 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(204, 235, 219)` looks like.

```
.text, #text, p{  
    color:rgb(204, 235, 219)  
}
```

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(204, 235, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 235, 219) }
```

Border

The CSS property to change the border of an element to XYZ 67.3964, 77.3685, 78.3993 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(204, 235, 219) }
```


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

```
.border{ border-color:rgb(204, 235, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 235, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 235, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 235, 219);  
box-shadow:4px 4px 4px 4px rgb(204, 235,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3964, 77.3685, 78.3993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 235, 219) }
```

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

```
.background{ background-color: rgb(204,  
235, 219) }
```

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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