

Converting Colors

XYZ(67.1860, 78.2840, 70.5145)

Have a look what the booklet for
XYZ(67.1860, 78.2840, 70.5145)
contains.

XYZ(67.2788, 78.3388, 70.6064)	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(67.2788, 78.3388,
70.6064)**

Conversions

Conversions Part 1

Format	Color
Hex	CFEDCF
RGB	207, 237, 207
RGB Percent	81%, 93%, 81%
CMY	0.1882, 0.0706, 0.1882
CMYK	0.13, 0.00, 0.13, 0.07
HSL	120°, 45%, 87%
HSV	120°, 13%, 93%
XYZ	67.2788, 78.3388, 70.6064
YIQ	224.6100, -8.2500, -15.6900

Conversions

Conversions Part 2

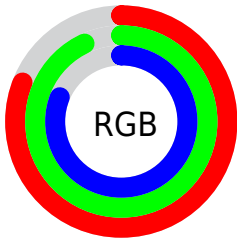
Format	Color
R _Y B	207, 237, 237
Decimal	13626831
CIE Lab	90.93, -15.32, 11.26
CIE LCh	91, 19.011, 143.686
Yxy	78.3388, 0.3112, 0.3623
Android (android.graphics.Color)	4291816911 (0xFFCFEDCF)
YUV	224.6100, -8.6817, -15.4440
Hunter-Lab	88.5092, -19.2073, 14.6591

Details

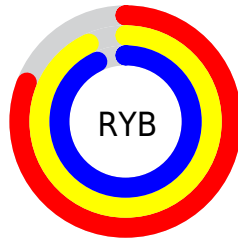
The XYZ color **67.2788, 78.3388, 70.6064** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.5267, 68.7464, 89.5713**, and the grayscale version is **71.3545, 75.0704, 81.7517**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.2225, 42.0231, 36.3918** is the 20% darker color. If you saturate the color by 10%, you get **58.4645, 74.1072, 56.1873**, and if you desaturate by 10%, it is **77.5263, 83.2635, 87.3662**.

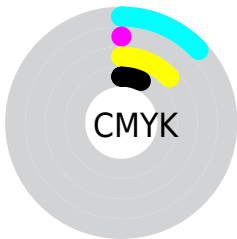
Distribution



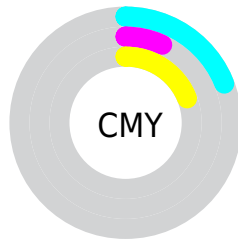
- Red (81%)
- Green (93%)
- Blue (81%)



- Red (81%)
- Yellow (93%)
- Blue (93%)



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



- Cyan (19%)
- Magenta (7%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2788, 78.3388, 70.6064 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 67.2788, 78.3388, 70.6064 by changing the saturation by 10% instead.

67.2788, 78.3388,
70.6064

67.2788, 78.3388,
70.6064

440.3534,
489.3167, 481.5229

49.5828, 58.3523,
51.5412

114.3674,
131.0276, 121.7623

35.2984, 42.0920,
36.2598

144.4907,
164.4988, 154.6901

24.0604, 29.1733,
24.3436

179.4871,
203.2336, 193.0759

15.5034, 19.2120,
15.3742

219.7220,
247.6165, 237.3381

9.2621, 11.8235,
8.9329

265.5607,
298.0318, 287.8954

4.9710, 6.6236,
4.6012

317.3686,

2.2648, 3.2279,

354.8640, 345.1663

1.9606

375.5111,
418.4975, 409.5692

■ 0.7766, 1.2518,
0.5309

■ 0.0000, 0.1034,
0.0000

■ 67.2788, 78.3388,
70.6064

■ 67.2788, 78.3388,
70.6064

■ 58.4645, 74.1072,
56.1873

■ 77.5263, 83.2635,
87.3662

■ 51.0135, 70.5281,
43.9998

■ 89.2601, 88.8999,
106.5587

■ 44.8597, 67.5721,
33.9342

■ 89.5757, 89.0515,
107.0752

■ 39.9291, 65.2036,
25.8692

■ 36.1399, 63.3835,
19.6712

■ 33.4007, 62.0678,
15.1907

■ 31.6061, 61.2057,
12.2551

■ 30.6284, 60.7361,
10.6559

■ 30.2858, 60.5715,
10.0954

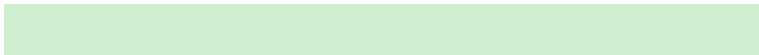
Harmonies

Analogous

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



70.8185, 78.3388, 63.3442



67.2788, 78.3388, 70.6064



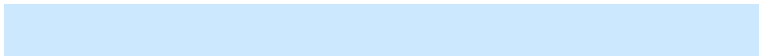
65.6716, 78.3388, 82.4286

Triad

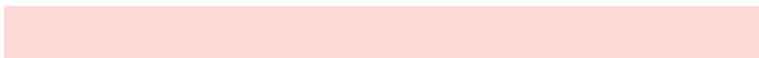
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.2788, 78.3388, 70.6064



73.4500, 78.3388, 114.3032



83.2185, 78.3388, 75.1307

Complementary

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



67.2788, 78.3388, 70.6064



72.5267, 68.7464, 89.5713

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.



83.9966, 78.3388, 88.2325



67.2788, 78.3388, 70.6064



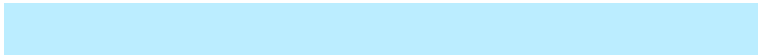
78.2215, 78.3388, 111.8144

Square

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



67.2788, 78.3388, 70.6064



69.1347, 78.3388, 108.3745



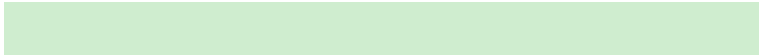
82.1320, 78.3388, 101.8973



80.0492, 78.3388, 65.7538

Rectangle

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



67.2788, 78.3388, 70.6064



65.8610, 78.3388, 91.6942



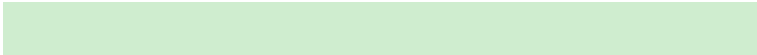
82.1320, 78.3388, 101.8973



83.7738, 78.3388, 79.2057

Sweetspot

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



67.2809, 78.3421, 70.6081



89.7974, 97.4769, 100.3084



76.4752, 83.0820, 71.0381



19.0157, 20.7658, 21.1354



0.0000, 0.0000, 0.0000



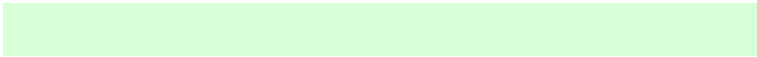
20.3446, 21.4041, 23.3091

Same Dimension

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



67.2809, 78.3421, 70.6081



76.7930, 91.2302, 79.0375



69.2035, 79.1112, 80.7322



14.8684, 16.8622, 15.9899



16.5341, 33.0681, 5.5114



1.2983, 2.5966, 0.4328

Inverse Universe

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



72.5267, 68.7464, 89.5713



84.0384, 77.9769, 105.2289



70.4252, 67.9058, 78.5049



15.7149, 15.3138, 19.0498



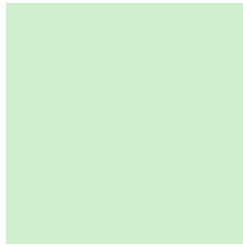
27.4131, 13.1679, 44.8381



2.1526, 1.0340, 3.5209

Previews

White Background



This preview shows how the XYZ color 67.2788, 78.3388, 70.6064 looks on a white background.

Color Contrast Check

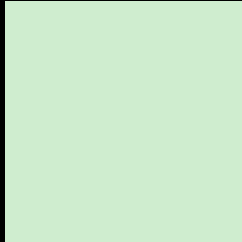
Large Text (above 18pt) WCAG AA × Fail

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 67.2788, 78.3388, 70.6064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

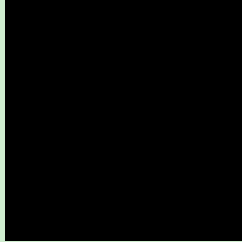
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

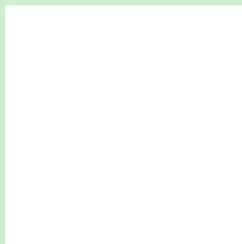
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.2788, 78.3388, 70.6064

Background



This preview shows how black text looks on a background with the XYZ color 67.2788, 78.3388, 70.6064.



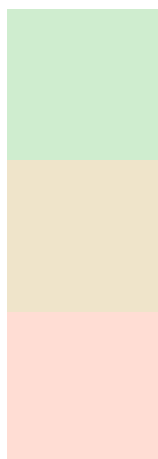
This preview shows how white text looks on a background with the XYZ color 67.2788, 78.3388,

70.6064.

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

67.2788, 78.3388, 70.6064

Protanopia

74.0007, 78.1018, 67.0520

Deuteranopia

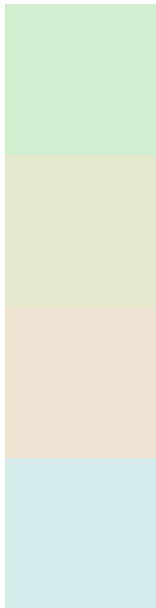
78.9801, 77.7264, 73.1273



Tritanopia

73.4064, 78.2875, 100.8646

Trichromacy



Original Color

67.2788, 78.3388, 70.6064

Protanomaly

71.1536, 77.8424, 68.4016

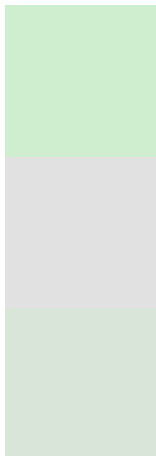
Deuteranomaly

74.3618, 77.7685, 72.0643

Tritanomaly

70.8542, 78.0672, 89.1760

Monochromacy



Original Color

67.2788, 78.3388, 70.6064

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

69.5876, 76.0060, 77.3326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2788, 78.3388, 70.6064 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(207, 237, 207)` looks like.

```
.text, #text, p{  
    color:rgb(207, 237, 207)  
}
```

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(207, 237, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 237, 207) }
```

Border

The CSS property to change the border of an element to XYZ 67.2788, 78.3388, 70.6064 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(207, 237, 207) }
```


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

```
.border{ border-color:rgb(207, 237, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 237, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 237, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 237, 207);  
box-shadow:4px 4px 4px 4px rgb(207, 237,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2788, 78.3388, 70.6064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 237, 207) }
```

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

```
.background{ background-color: rgb(207,  
237, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor