

Converting Colors

XYZ(65.8817, 76.3879, 83.6306)

Have a look what the booklet for
XYZ(65.8817, 76.3879, 83.6306)
contains.

XYZ(66.0791, 76.5648, 83.9688)	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(66.0791, 76.5648,
83.9688)**

Conversions

Conversions Part 1

Format	Color
Hex	C3EBE3
RGB	195, 235, 227
RGB Percent	76%, 92%, 89%
CMY	0.2353, 0.0784, 0.1098
CMYK	0.17, 0.00, 0.03, 0.08
HSL	168°, 50%, 84%
HSV	168°, 17%, 92%
XYZ	66.0791, 76.5648, 83.9688
YIQ	222.1280, -21.2720, -10.9680

Conversions

Conversions Part 2

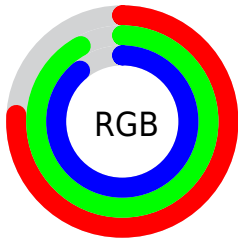
Format	Color
R_{YB}	195, 217, 235
Decimal	12839907
CIE _{Lab}	90.12, -14.48, -0.44
CIE _{LCh}	90, 14.484, 181.740
Yxy	76.5648, 0.2916, 0.3379
Android (android.graphics.Color)	4291029987 (0xFFC3EBE3)
YUV	222.1280, 2.4019, -23.7913
Hunter-Lab	87.5013, -18.3280, 4.3545

Details

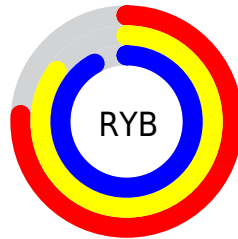
The XYZ color **66.0791, 76.5648, 83.9688** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.5582, 61.0061, 64.8759**, and the grayscale version is **69.5176, 73.1380, 79.6472**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **34.5510, 40.8815, 45.0996** is the 20% darker color. If you saturate the color by 10%, you get **59.8389, 73.4239, 80.3367**, and if you desaturate by 10%, it is **73.2970, 80.2118, 87.7424**.

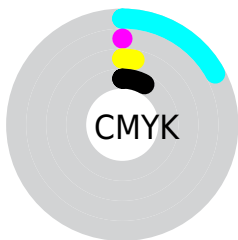
Distribution



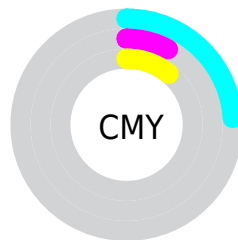
- Red (76%)
- Green (92%)
- Blue (89%)



- Red (76%)
- Yellow (85%)
- Blue (92%)



- Cyan (17%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



- Cyan (24%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.0791, 76.5648, 83.9688 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 66.0791, 76.5648, 83.9688 by changing the saturation by 10% instead.

66.0791, 76.5648,
83.9688

66.0791, 76.5648,
83.9688

436.1439,
483.2789, 528.2650

48.6046, 56.8958,
62.4444

112.6570,
128.5250, 140.7929

34.5191, 40.9216,
44.9538

142.4910,
161.5849, 176.9297

23.4575, 28.2578,
31.0784

177.1755,
199.8772, 218.7743

15.0542, 18.5201,
20.3996

217.0760,
243.7864, 266.7454

8.9440, 11.3240,
12.4989

262.5577,
293.6967, 321.2615

4.7615, 6.2852,
6.9577

313.9860,

2.1413, 3.0193,

349.9927, 382.7411

3.3576

371.7263,
413.0586, 451.6027

0.7115, 1.1418,
1.2800

0.0000, 0.0134,
0.0453

66.0791, 76.5648,
83.9688

66.0791, 76.5648,
83.9688

59.8389, 73.4239,
80.3367

73.2970, 80.2118,
87.7424

54.5250, 70.7564,
76.8381

81.5279, 84.3769,
91.6551

50.0916, 68.5408,
73.4717

86.8429, 87.0367,
95.5253

46.4858, 66.7499,
70.2344

87.5549, 87.3215,
99.2747

■ 43.6492, 65.3535,
67.1227

■ 88.2851, 87.6136,
103.1202

■ 41.5156, 64.3176,
64.1326

■ 88.9997, 87.8995,
106.8832

■ 40.0076, 63.6021,
61.2599

■ 39.0249, 63.1557,
58.4990

■ 38.7856, 63.0498,
57.6961

Harmonies

Analogous

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



66.8517, 76.5648, 74.3391



66.0791, 76.5648, 83.9688



67.0503, 76.5648, 94.2212

Triad

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



66.0791, 76.5648, 83.9688



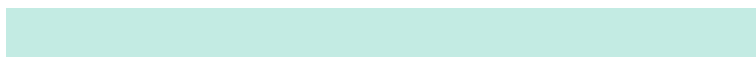
76.4702, 76.5648, 101.3624



76.0950, 76.5648, 67.1151

Complementary

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



66.0791, 76.5648, 83.9688



64.5582, 61.0061, 64.8759

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.



78.8114, 76.5648, 73.3784



66.0791, 76.5648, 83.9688



79.0330, 76.5648, 93.0957

Square

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



66.0791, 76.5648, 83.9688



72.9827, 76.5648, 104.7625



79.9034, 76.5648, 82.7662



72.5628, 76.5648, 65.1013

Rectangle

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



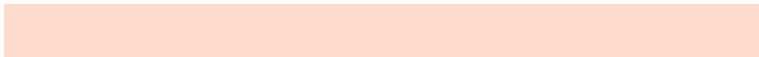
66.0791, 76.5648, 83.9688



68.5752, 76.5648, 99.8984



79.9034, 76.5648, 82.7662



77.1378, 76.5648, 68.7664

Sweetspot

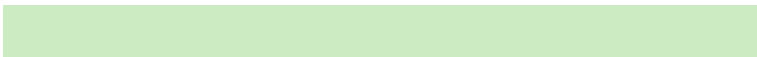
The Sweet Spot groups the original color and five complimentary colors.



66.0813, 76.5680, 83.9705



90.1058, 97.4983, 106.5391



64.3716, 76.1504, 62.9367



19.1430, 20.7961, 22.7335



0.0000, 0.0000, 0.0000



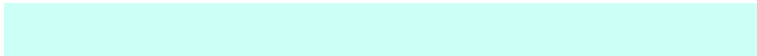
20.3446, 21.4041, 23.3091

Same Dimension

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



66.0813, 76.5680, 83.9705



77.1122, 90.9375, 99.7120



64.0695, 70.7353, 88.8774



15.3810, 17.0672, 18.6892



21.6316, 35.1071, 32.3549



1.7314, 2.7699, 2.7132

Inverse Universe

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



64.5582, 61.0061, 64.8759



74.9965, 69.3112, 73.1802



66.2654, 65.9079, 60.8598



15.1887, 15.1033, 16.2788



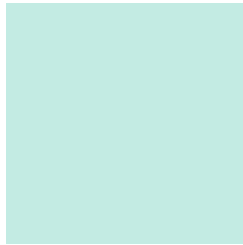
19.3896, 9.9585, 2.5871



1.5560, 0.7954, 0.3795

Previews

White Background



This preview shows how the XYZ color 66.0791, 76.5648, 83.9688 looks on a white background.

Color Contrast Check

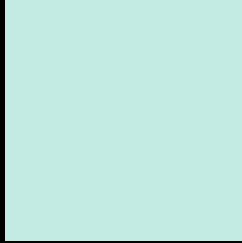
Large Text (above 18pt) WCAG AA × Fail

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 66.0791, 76.5648, 83.9688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

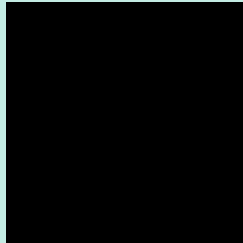
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

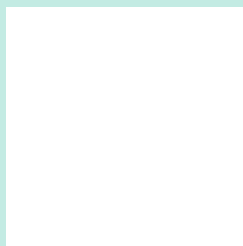
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.0791, 76.5648, 83.9688

Background



This preview shows how black text looks on a background with the XYZ color 66.0791, 76.5648, 83.9688.



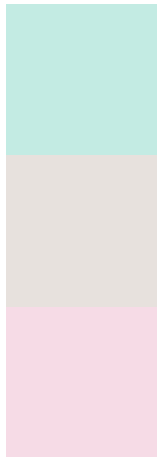
This preview shows how white text looks on a background with the XYZ color 66.0791, 76.5648,

83.9688.

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

66.0791, 76.5648, 83.9688

Protanopia

72.9314, 76.0598, 79.2437

Deuteranopia

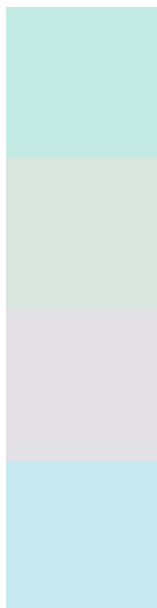
77.6205, 75.9690, 85.4354



Tritanopia

69.6651, 76.7575, 101.5864

Trichromacy



Original Color

66.0791, 76.5648, 83.9688

Protanomaly

70.2520, 76.2718, 80.8313

Deuteranomaly

72.7466, 75.8385, 84.9329

Tritanomaly

68.4546, 76.6944, 95.2000

Monochromacy



Original Color

66.0791, 76.5648, 83.9688

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.0750, 74.3170, 81.2777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.0791, 76.5648, 83.9688 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(195, 235, 227)` looks like.

```
.text, #text, p{  
    color:rgb(195, 235, 227)  
}
```

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(195, 235, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 235, 227) }
```

Border

The CSS property to change the border of an element to XYZ 66.0791, 76.5648, 83.9688 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(195, 235, 227) }
```


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

```
.border{ border-color:rgb(195, 235, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 235, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 235, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 235, 227);  
box-shadow:4px 4px 4px 4px rgb(195, 235,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 66.0791, 76.5648, 83.9688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 235, 227) }
```

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

```
.background{ background-color: rgb(195,  
235, 227) }
```

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