

Converting Colors

XYZ(66.3249, 76.5659, 89.8868)

Have a look what the booklet for
XYZ(66.3249, 76.5659, 89.8868)
contains.

XYZ(66.4420, 76.6213, 89.8848)	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(66.4420, 76.6213,
89.8848)**

Conversions

Conversions Part 1

Format	Color
Hex	C0EBEB
RGB	192, 235, 235
RGB Percent	75%, 92%, 92%
CMY	0.2470, 0.0784, 0.0784
CMYK	0.18, 0.00, 0.00, 0.08
HSL	180°, 52%, 84%
HSV	180°, 18%, 92%
XYZ	66.4420, 76.6213, 89.8848
YIQ	222.1430, -25.6280, -9.1160

Conversions

Conversions Part 2

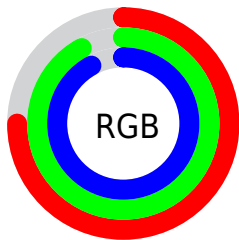
Format	Color
R_{YB}	192, 214, 235
Decimal	12643307
CIE _{Lab}	90.15, -13.78, -4.60
CIE _{LCh}	90, 14.530, 198.477
Yxy	76.6213, 0.2852, 0.3289
Android (android.graphics.Color)	4290833387 (0xFFC0EBEB)
YUV	222.1430, 6.3385, -26.4354
Hunter-Lab	87.5336, -17.6941, 0.3909

Details

The XYZ color **66.4420, 76.6213, 89.8848** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6278, 59.1694, 57.9925**, and the grayscale version is **69.5036, 73.1232, 79.6311**.

A 20% lighter version of the original color is **92.8769, 98.8797, 108.7983**, and **34.7380, 40.8981, 48.7111** is the 20% darker color. If you saturate the color by 10%, you get **60.9607, 73.7976, 89.6286**, and if you desaturate by 10%, it is **72.8779, 79.9411, 90.1889**.

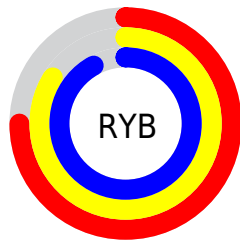
Distribution



Red (75%)

Green (92%)

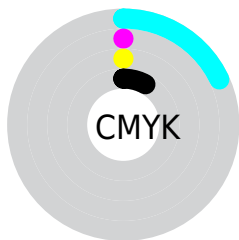
Blue (92%)



Red (75%)

Yellow (84%)

Blue (92%)

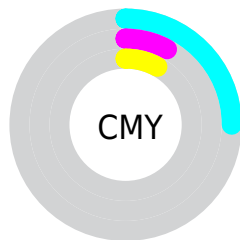


Cyan (18%)

Magenta (0%)

Yellow (0%)

Black (8%)



Cyan (25%)

Magenta (8%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4420, 76.6213, 89.8848 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 66.4420, 76.6213, 89.8848 by changing the saturation by 10% instead.

66.4420, 76.6213,
89.8848

66.4420, 76.6213,
89.8848

437.4197,
483.4719, 548.2165

48.9003, 56.9421,
67.3119

113.1747,
128.6048, 149.1125

34.7546, 40.9588,
48.8750

143.0964,
161.6778, 186.6044

23.6395, 28.2869,
34.1554

177.8756,
199.9843, 229.9064

15.1897, 18.5420,
22.7347

217.8775,
243.9086, 279.4370

9.0398, 11.3398,
14.1943

263.4675,
293.8351, 335.6147

4.8245, 6.2959,
8.1156

315.0110,

2.1784, 3.0258,

350.1483, 398.8582

4.0802

372.8733,
413.2324, 469.5860

■ 0.7313, 1.1452,
1.6694

■ 0.0000, 0.0163,
0.3397

■ 66.4420, 76.6213,
89.8848

■ 66.4420, 76.6213,
89.8848

■ 60.9607, 73.7976,
89.6286

■ 72.8779, 79.9411,
90.1889

■ 56.3822, 71.4373,
89.4131


■ 80.3036, 83.7692,
90.5377


■ 52.6602, 69.5186,
89.2376


■ 85.9461, 86.6779,
90.8030


■ 49.7414, 68.0140,
89.0997


■ 85.9463, 86.6780,
90.8043


 47.5668, 66.8929,
88.9967


 85.9466, 86.6781,
90.8056

 46.0691, 66.1209,
88.9253


 85.9468, 86.6782,
90.8069


 45.1689, 65.6568,
88.8819

 85.9470, 86.6783,
90.8082

 44.7534, 65.4427,
88.8611

 85.9473, 86.6784,
90.8095

 44.7033, 65.4168,
88.8586

 85.9475, 86.6785,
90.8108

Harmonies

Analogous

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



66.2373, 76.6213, 79.5210



66.4420, 76.6213, 89.8848



68.3230, 76.6213, 99.2061

Triad

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



66.4420, 76.6213, 89.8848



78.1453, 76.6213, 97.3053



74.2210, 76.6213, 65.4331

Complementary

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



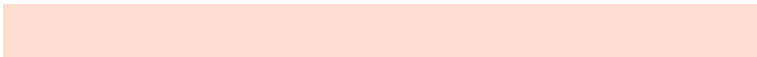
66.4420, 76.6213, 89.8848



62.6278, 59.1694, 57.9925

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.



77.5232, 76.6213, 69.4176



66.4420, 76.6213, 89.8848



79.8383, 76.6213, 87.4601

Square

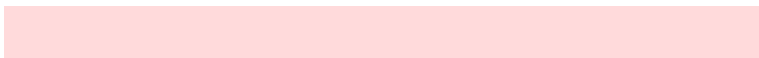
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.4420, 76.6213, 89.8848



75.0473, 76.6213, 103.7282



79.6069, 76.6213, 77.2872



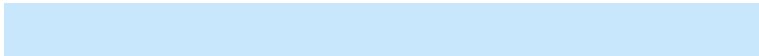
70.6494, 76.6213, 65.9651

Rectangle

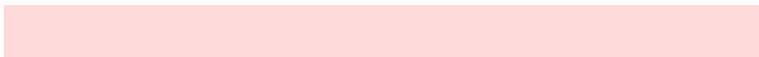
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.4420, 76.6213, 89.8848



70.3104, 76.6213, 103.3111



79.6069, 76.6213, 77.2872



75.4014, 76.6213, 66.2744

Sweetspot

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



66.4442, 76.6245, 89.8865



90.5137, 97.6615, 108.6869



61.1452, 74.5259, 61.0329



19.2425, 20.8359, 23.2573



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.



66.4442, 76.6245, 89.8865



77.3360, 90.8682, 108.0676



60.8374, 65.4100, 88.0198



15.5177, 17.1219, 19.4090



24.8783, 36.4058, 49.4517



1.9536, 2.8587, 3.8832

Inverse Universe

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



62.6278, 59.1694, 57.9925



71.9381, 66.1799, 62.9569



67.5179, 68.9503, 59.6208



15.0656, 15.0541, 15.6306



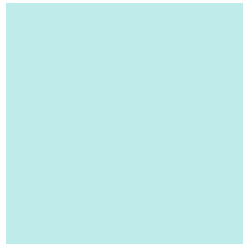
19.0679, 9.8298, 0.8927



1.4973, 0.7719, 0.0702

Previews

White Background



This preview shows how the XYZ color 66.4420, 76.6213, 89.8848 looks on a white background.

Color Contrast Check

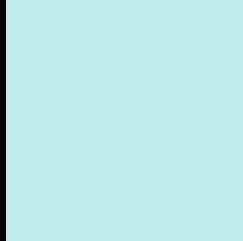
Large Text (above 18pt) WCAG AA × Fail

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 66.4420, 76.6213, 89.8848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

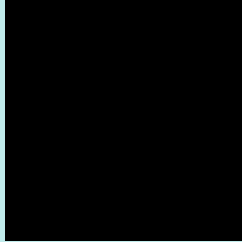
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.4420, 76.6213, 89.8848

Background



This preview shows how black text looks on a background with the XYZ color 66.4420, 76.6213, 89.8848.

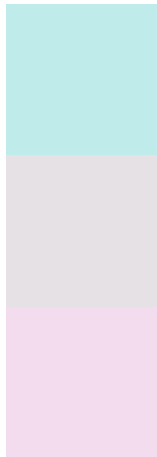


This preview shows how white text looks on a background with the XYZ color 66.4420, 76.6213,

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

66.4420, 76.6213, 89.8848

Protanopia

73.3812, 76.1656, 84.9626

Deuteranopia

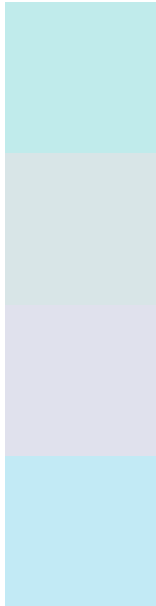
77.9880, 76.4141, 91.5279



Tritanopia

69.0572, 76.8450, 102.4596

Trichromacy



Original Color

66.4420, 76.6213, 89.8848

Protanomaly

70.7620, 76.4071, 86.6198

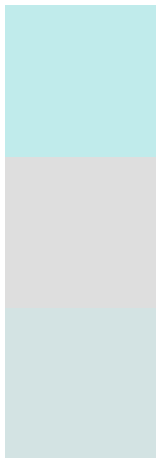
Deuteranomaly

72.9517, 75.8121, 90.9090

Tritanomaly

68.1524, 76.9075, 97.6388

Monochromacy



Original Color

66.4420, 76.6213, 89.8848

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.1982, 74.3331, 83.4263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4420, 76.6213, 89.8848 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(192, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(192, 235, 235)  
}
```

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(192, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 235, 235) }
```

Border

The CSS property to change the border of an element to XYZ 66.4420, 76.6213, 89.8848 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(192, 235, 235) }
```


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

```
.border{ border-color:rgb(192, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(192, 235,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4420, 76.6213, 89.8848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 235, 235) }
```

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

```
.background{ background-color: rgb(192,  
235, 235) }
```

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