

Converting Colors

XYZ(46.8086, 64.6445, 77.7207)

Have a look what the booklet for
XYZ(46.8086, 64.6445, 77.7207)
contains.

XYZ(46.8086, 64.6445, 77.7207)	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(46.8086, 64.6445,
77.7207)**

Conversions

Conversions Part 1

Format	Color
Hex	67E6DC
RGB	103, 230, 220
RGB Percent	40%, 90%, 86%
CMY	0.5961, 0.0980, 0.1372
CMYK	0.55, 0.00, 0.04, 0.10
HSL	175°, 72%, 65%
HSV	175°, 55%, 90%
XYZ	46.8086, 64.6445, 77.7207
YIQ	190.8870, -72.4820, -30.0340

Conversions

Conversions Part 2

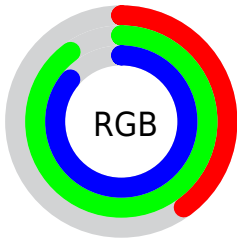
Format	Color
RYB	103, 169, 230
Decimal	6809308
CIELab	84.30, -37.48, -5.81
CIELCh	84, 37.926, 188.810
Yxy	64.6445, 0.2474, 0.3417
Android (android.graphics.Color)	4284999388 (0xFF67E6DC)
YUV	190.8870, 14.3527, -77.0769
Hunter-Lab	80.4018, -36.7834, -1.0316

Details

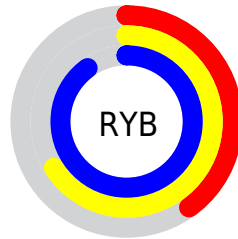
The XYZ color **46.8086, 64.6445, 77.7207** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **40.4662, 27.7176, 18.8423**, and the grayscale version is **49.4071, 51.9801, 56.6064**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **22.3796, 33.2217, 40.8302** is the 20% darker color. If you saturate the color by 10%, you get **44.2864, 63.3733, 76.3584**, and if you desaturate by 10%, it is **50.0627, 66.2957, 79.1337**.

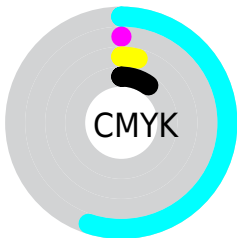
Distribution



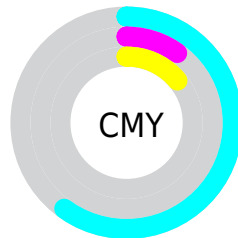
- Red (40%)
- Green (90%)
- Blue (86%)



- Red (40%)
- Yellow (66%)
- Blue (90%)



- Cyan (55%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)





- Cyan (60%)
- Magenta (10%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8086, 64.6445, 77.7207 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 46.8086, 64.6445, 77.7207 by changing the saturation by 10% instead.


 46.8086, 64.6445,
77.7207


 46.8086, 64.6445,
77.7207


364.7117,
441.5134, 506.7205


 33.0917, 47.1729,
57.3295


 84.6483, 111.5386,
131.9386

 22.3563, 33.1723,
40.8587

 109.5019,
141.7299, 166.6024

 14.2370, 22.2585,
27.8898


 138.7983,
176.9298, 206.8608

 8.3685, 14.0470,
18.0043

172.9030,
217.5228, 253.1323

 4.3854, 8.1533,
10.7836

212.1814,
263.8933, 305.8355

 1.9224, 4.1932,
5.8092

256.9987,

 0.5898, 1.7822,

316.4256, 365.3889

2.6625

307.7203,
375.5042, 432.2111

■ 0.0000, 0.4761,
0.9245

■ 0.0000, 0.0000,
0.0000

■ 46.8086, 64.6445,
77.7207

■ 46.8086, 64.6445,
77.7207

■ 44.2864, 63.3733,
76.3584

■ 50.0627, 66.2957,
79.1337

■ 42.4292, 62.4432,
75.0392


■ 54.0971, 68.3473,
80.5955


■ 41.1679, 61.8199,
73.7615


■ 58.9628, 70.8272,
82.1098

■ 40.4152, 61.4586,
72.5210


■ 64.7047, 73.7585,
83.6788


 40.1675, 61.3436,
71.9375

 71.3646, 77.1627,
85.3045

 78.9817, 81.0601,
86.9888

 84.2004, 83.7207,
88.5746

 84.4601, 83.8246,
89.9423

 84.7225, 83.9296,
91.3239

Harmonies

Analogous

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



47.5654, 64.6445, 54.9397



46.8086, 64.6445, 77.7207



49.6842, 64.6445, 103.5834

Triad

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



46.8086, 64.6445, 77.7207



72.1445, 64.6445, 112.9908



67.4747, 64.6445, 35.4356

Complementary

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



46.8086, 64.6445, 77.7207



40.4662, 27.7176, 18.8423

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.



74.9237, 64.6445, 45.1692



46.8086, 64.6445, 77.7207



77.7862, 64.6445, 88.4879

Square

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



46.8086, 64.6445, 77.7207



63.9527, 64.6445, 126.7848



78.8472, 64.6445, 63.5295



58.9991, 64.6445, 33.8250

Rectangle

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



46.8086, 64.6445, 77.7207



53.4433, 64.6445, 117.9001



78.8472, 64.6445, 63.5295



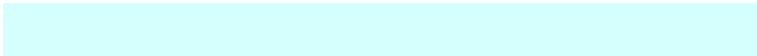
70.2029, 64.6445, 37.7384

Sweetspot

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



46.8105, 64.6470, 77.7222



80.3157, 92.4671, 105.3666



37.6324, 61.1250, 22.6483



16.8668, 19.6263, 22.4664



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.



46.8105, 64.6470, 77.7222



55.6513, 79.9273, 96.2981



35.6171, 40.0763, 80.7239



14.7559, 16.3158, 18.2453



22.7609, 34.7365, 40.8366



1.6966, 2.5728, 3.0947

Inverse Universe

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



40.4662, 27.7176, 18.8423



46.9220, 28.9471, 15.1595



46.9581, 41.5536, 18.3791



14.4228, 14.3863, 15.1610



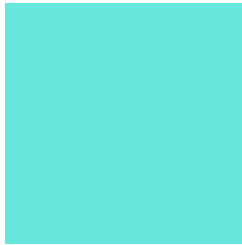
18.5547, 9.5561, 1.2841



1.3872, 0.7126, 0.1798

Previews

White Background



This preview shows how the XYZ color 46.8086, 64.6445, 77.7207 looks on a white background.

Color Contrast Check

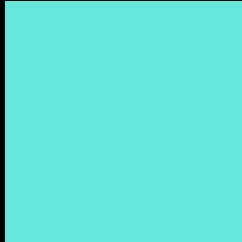
Large Text (above 18pt) WCAG AA × Fail

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 46.8086, 64.6445, 77.7207 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

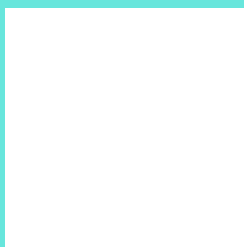
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8086, 64.6445, 77.7207

Background



This preview shows how black text looks on a background with the XYZ color 46.8086, 64.6445, 77.7207.

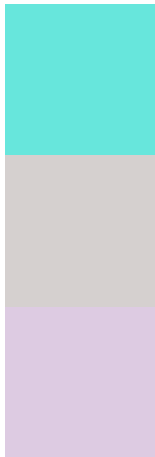


This preview shows how white text looks on a background with the XYZ color 46.8086, 64.6445,

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

46.8086, 64.6445, 77.7207

Protanopia

61.2589, 63.7629, 68.1103

Deuteranopia

64.9022, 63.5750, 80.8020



Tritanopia

50.3599, 64.4300, 96.1682

Trichromacy



Original Color

46.8086, 64.6445, 77.7207



Protanomaly

53.6731, 62.7494, 71.5703



Deuteranomaly

55.6089, 62.4353, 79.6413



Tritanomaly

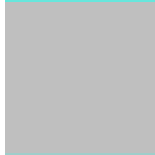
48.9161, 64.2455, 89.1794

Monochromacy



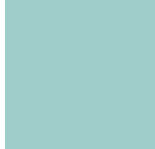
Original Color

46.8086, 64.6445, 77.7207



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

46.7901, 55.2978, 64.0846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8086, 64.6445, 77.7207 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(103, 230, 220)` looks like.

```
.text, #text, p{  
    color:rgb(103, 230, 220)  
}
```

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(103, 230, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 230, 220) }
```

Border

The CSS property to change the border of an element to XYZ 46.8086, 64.6445, 77.7207 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(103, 230, 220) }
```


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

```
.border{ border-color:rgb(103, 230, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 230, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 230, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 230, 220);  
box-shadow:4px 4px 4px 4px rgb(103, 230,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8086, 64.6445, 77.7207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 230, 220) }
```

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

```
.background{ background-color: rgb(103,  
230, 220) }
```

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