

Converting Colors

XYZ(46.7573, 60.8916, 66.0838)

Have a look what the booklet for
XYZ(46.7573, 60.8916, 66.0838)
contains.

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Color

**XYZ(46.6892, 60.8166,
65.7779)**

Conversions

Conversions Part 1

Format	Color
Hex	89DCCB
RGB	137, 220, 203
RGB Percent	54%, 86%, 80%
CMY	0.4627, 0.1372, 0.2039
CMYK	0.38, 0.00, 0.08, 0.14
HSL	168°, 54%, 70%
HSV	168°, 38%, 86%
XYZ	46.6892, 60.8166, 65.7779
YIQ	193.2450, -44.0110, -22.8830

Conversions

Conversions Part 2

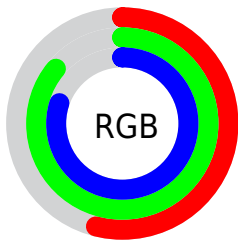
Format	Color
RYB	137, 183, 220
Decimal	9034955
CIELab	82.28, -29.11, 0.38
CIElCh	82, 29.109, 179.258
Yxy	60.8166, 0.2694, 0.3510
Android (android.graphics.Color)	4287225035 (0xFF89DCCB)
YUV	193.2450, 4.8092, -49.3269
Hunter-Lab	77.9850, -29.6068, 4.5802

Details

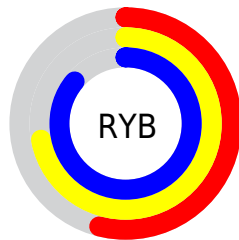
The XYZ color **46.6892, 60.8166, 65.7779** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.2957, 35.4416, 35.0804**, and the grayscale version is **50.8252, 53.4721, 58.2311**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **22.3596, 30.8740, 33.2146** is the 20% darker color. If you saturate the color by 10%, you get **42.9151, 58.9337, 62.8393**, and if you desaturate by 10%, it is **51.2177, 63.0897, 68.8359**.

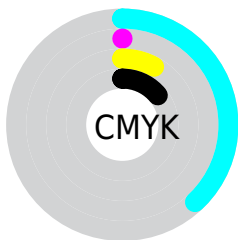
Distribution



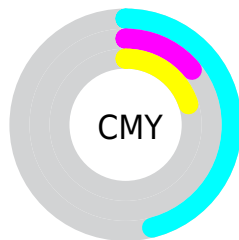
- Red (54%)
- Green (86%)
- Blue (80%)



- Red (54%)
- Yellow (72%)
- Blue (86%)



- Cyan (38%)
- Magenta (0%)
- Yellow (8%)
- Black (14%)





- Cyan (46%)
- Magenta (14%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6892, 60.8166, 65.7779 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 46.6892, 60.8166, 65.7779 by changing the saturation by 10% instead.


 46.6892, 60.8166,
65.7779


 46.6892, 60.8166,
65.7779


364.2422,
427.6012, 463.9647


 32.9969, 44.0772,
47.6368


 84.4711, 106.0133,
114.7915

 22.2833, 30.7312,
33.1814


 109.2914,
135.2394, 146.5010

 14.1830, 20.3942,
21.9932


 138.5518,
169.3966, 183.5704

 8.3306, 12.6819,
13.6536

172.6176,
208.8691, 226.4182

 4.3608, 7.2099,
7.7442

211.8542,
254.0414, 275.4630

 1.9082, 3.5937,
3.8463

256.6270,

 0.5816, 1.4490,

305.2980, 331.1234

1.5414

307.3012,
363.0231, 393.8177

■ 0.0000, 0.2524,
0.2485

■ 0.0000, 0.0000,
0.0000

■ 46.6892, 60.8166,
65.7779

■ 46.6892, 60.8166,
65.7779

■ 42.9151, 58.9337,
62.8393

■ 51.2177, 63.0897,
68.8359

■ 39.8450, 57.4103,
60.0132

■ 56.5367, 65.7670,
72.0118

■ 37.4306, 56.2233,
57.2980

■ 62.6862, 68.8705,
75.3094

■ 35.6153, 55.3433,
54.6902

■ 69.7019, 72.4188,
78.7310

■ 34.3323, 54.7360,
52.1861

■ 77.6175, 76.4291,
82.2789

■ 33.4895, 54.3539,
49.7805

■ 81.1231, 78.1641,
85.7052

■ 33.3260, 54.2813,
49.2459

■ 81.7645, 78.4207,
89.0829

■ 82.4224, 78.6838,
92.5475

■ 83.0970, 78.9536,
96.0995

Harmonies

Analogous

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



48.1557, 60.8166, 50.2612



46.6892, 60.8166, 65.7779



48.0192, 60.8166, 84.3377

Triad

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



46.6892, 60.8166, 65.7779



63.8260, 60.8166, 100.6772



64.1120, 60.8166, 41.0053

Complementary

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



46.6892, 60.8166, 65.7779



44.2957, 35.4416, 35.0804

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.



68.8360, 60.8166, 50.9010



46.6892, 60.8166, 65.7779



68.6627, 60.8166, 85.2404

Square

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



46.6892, 60.8166, 65.7779



57.6502, 60.8166, 106.5400



70.5569, 60.8166, 66.6619



57.9588, 60.8166, 37.6210

Rectangle

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



46.6892, 60.8166, 65.7779



50.3708, 60.8166, 95.5866



70.5569, 60.8166, 66.6619



65.9354, 60.8166, 43.5820

Sweetspot

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



46.6909, 60.8190, 65.7793



84.5613, 94.6982, 103.6522



43.6248, 59.9620, 32.9425



17.8449, 20.1408, 22.0505



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.



46.6909, 60.8190, 65.7793



61.1111, 82.9147, 88.7508



43.0858, 50.1861, 75.1290



13.3246, 14.7815, 16.1724



19.5991, 31.8723, 29.1181



1.2992, 2.0766, 2.0415

Inverse Universe

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



44.2957, 35.4416, 35.0804



57.3335, 42.7608, 40.2384



46.6931, 42.3447, 29.3803



13.1646, 13.0949, 14.1280



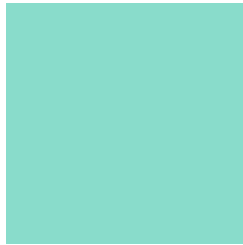
17.6333, 9.0544, 2.4492



1.1737, 0.5991, 0.3238

Previews

White Background



This preview shows how the XYZ color 46.6892, 60.8166, 65.7779 looks on a white background.

Color Contrast Check

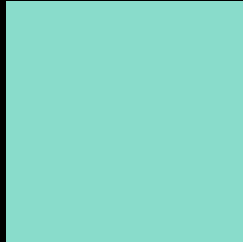
Large Text (above 18pt) WCAG AA × Fail

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 46.6892, 60.8166, 65.7779 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

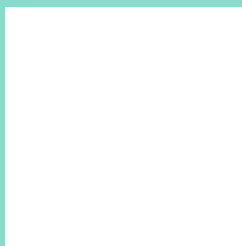
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6892, 60.8166, 65.7779

Background



This preview shows how black text looks on a background with the XYZ color 46.6892, 60.8166, 65.7779.



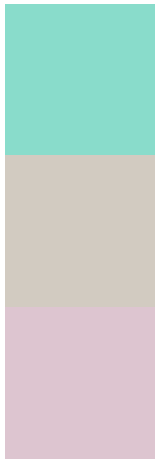
This preview shows how white text looks on a background with the XYZ color 46.6892, 60.8166,

65.7779.

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

46.6892, 60.8166, 65.7779

Protanopia

57.5599, 60.2638, 59.0504

Deuteranopia

61.1702, 59.8587, 68.0044



Tritanopia

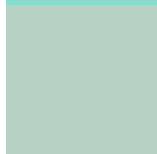
50.7654, 60.9242, 86.1747

Trichromacy



Original Color

46.6892, 60.8166, 65.7779



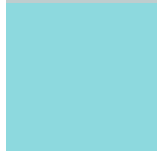
Protanomaly

52.4069, 59.6994, 61.5843



Deuteranomaly

54.2071, 59.0660, 66.9364



Tritanomaly

48.9822, 60.5624, 78.2153

Monochromacy



Original Color

46.6892, 60.8166, 65.7779



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.6676, 55.6273, 60.9954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6892, 60.8166, 65.7779 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(137, 220, 203)` looks like.

```
.text, #text, p{  
    color:rgb(137, 220, 203)  
}
```

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(137, 220, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 220, 203) }
```

Border

The CSS property to change the border of an element to XYZ 46.6892, 60.8166, 65.7779 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(137, 220, 203) }
```


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

```
.border{ border-color:rgb(137, 220, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 220, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 220, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 220, 203);  
box-shadow:4px 4px 4px 4px rgb(137, 220,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6892, 60.8166, 65.7779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 220, 203) }
```

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

```
.background{ background-color: rgb(137,  
220, 203) }
```

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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