

Converting Colors

XYZ(46.5289, 59.5454, 62.8254)

Have a look what the booklet for
XYZ(46.5289, 59.5454, 62.8254)
contains.

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Color

**XYZ(46.6233, 59.6785,
63.0946)**

Conversions

Conversions Part 1

Format	Color
Hex	90D9C7
RGB	144, 217, 199
RGB Percent	56%, 85%, 78%
CMY	0.4353, 0.1490, 0.2196
CMYK	0.34, 0.00, 0.08, 0.15
HSL	165°, 49%, 71%
HSV	165°, 34%, 85%
XYZ	46.6233, 59.6785, 63.0946
YIQ	193.1210, -37.7300, -21.0740

Conversions

Conversions Part 2

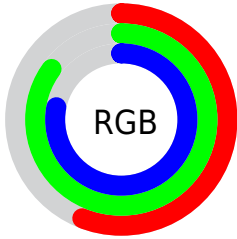
Format	Color
RYB	144, 186, 217
Decimal	9492935
CIELab	81.66, -26.63, 1.64
CIElCh	82, 26.684, 176.467
Yxy	59.6785, 0.2752, 0.3523
Android (android.graphics.Color)	4287683015 (0xFF90D9C7)
YUV	193.1210, 2.8983, -43.0791
Hunter-Lab	77.2519, -27.4618, 5.6519

Details

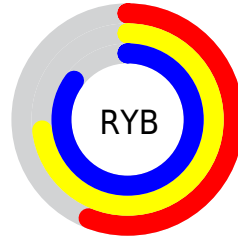
The XYZ color **46.6233, 59.6785, 63.0946** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.1122, 37.3086, 39.0086**, and the grayscale version is **50.7605, 53.4040, 58.1569**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **22.2476, 30.0587, 31.4174** is the 20% darker color. If you saturate the color by 10%, you get **42.5812, 57.6668, 59.7197**, and if you desaturate by 10%, it is **51.4191, 62.0793, 66.6214**.

Distribution



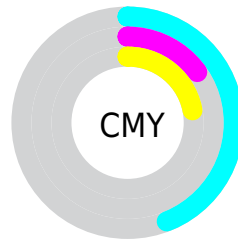
- Red (56%)
- Green (85%)
- Blue (78%)



- Red (56%)
- Yellow (73%)
- Blue (85%)



- Cyan (34%)
- Magenta (0%)
- Yellow (8%)
- Black (15%)



- Cyan (44%)
- Magenta (15%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6233, 59.6785, 63.0946 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 46.6233, 59.6785, 63.0946 by changing the saturation by 10% instead.


 46.6233, 59.6785,
63.0946


 46.6233, 59.6785,
63.0946


363.9830,
423.4117, 454.0301

 32.9447, 43.1595,
45.4763


 84.3732, 104.3632,
110.8929

 22.2431, 30.0103,
31.4870


 109.1752,
133.2976, 141.9099

 14.1532, 19.8464,
20.7084

138.4157,
167.1394, 178.2302

 8.3097, 12.2835,
12.7219

172.4600,
206.2729, 220.2723

 4.3472, 6.9370,
7.1088

211.6736,
251.0825, 268.4549

 1.9004, 3.4227,
3.4508

256.4217,

 0.5771, 1.3562,

301.9526, 323.1963

1.3292

307.0697,
359.2675, 384.9152

■ 0.0000, 0.1841,
0.0855

■ 0.0000, 0.0000,
0.0000

■ 46.6233, 59.6785,
63.0946

■ 46.6233, 59.6785,
63.0946

■ 42.5812, 57.6668,
59.7197

■ 51.4191, 62.0793,
66.6214

■ 39.2456, 56.0153,
56.4895

■ 57.0024, 64.8820,
70.2990

■ 36.5719, 54.7025,
53.4021

■ 63.4108, 68.1074,
74.1316

■ 34.5081, 53.7017,
50.4537

■ 70.6781, 71.7731,
78.1218

■ 32.9940, 52.9819,
47.6405

■ 78.8363, 75.8954,
82.2722

■ 31.9571, 52.5056,
44.9577

■ 80.4932, 76.6635,
86.2380

■ 31.4687, 52.2897,
43.3152

■ 81.2614, 76.9708,
90.2828

■ 82.0528, 77.2873,
94.4505

■ 82.8678, 77.6133,
98.7420

Harmonies

Analogous

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



48.1980, 59.6785, 49.3648



46.6233, 59.6785, 63.0946



47.6041, 59.6785, 79.7431

Triad

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



46.6233, 59.6785, 63.0946



61.6671, 59.6785, 96.7426



62.8924, 59.6785, 42.4809

Complementary

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



46.6233, 59.6785, 63.0946



45.1122, 37.3086, 39.0086

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.



66.9370, 59.6785, 52.1612



46.6233, 59.6785, 63.0946



66.1974, 59.6785, 83.5825

Square

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



46.6233, 59.6785, 63.0946



56.0605, 59.6785, 100.9471



68.1842, 59.6785, 66.9021



57.3899, 59.6785, 38.7662

Rectangle

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



46.6233, 59.6785, 63.0946



49.6128, 59.6785, 90.0473



68.1842, 59.6785, 66.9021



64.4812, 59.6785, 45.0582

Sweetspot

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



46.6250, 59.6809, 63.0960



85.2868, 95.0820, 103.2444



44.7999, 59.3494, 35.4811



17.9825, 20.2144, 21.9324



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.



46.6250, 59.6809, 63.0960



63.1582, 83.9968, 87.6340



44.3938, 51.6731, 73.2825



13.3005, 14.7718, 16.0453



19.0927, 31.6697, 26.4511



1.2703, 2.0651, 1.8893

Inverse Universe

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



45.1122, 37.3086, 39.0086



60.6826, 47.2630, 48.1248



46.6157, 42.6960, 32.1710



13.1871, 13.1039, 14.2464



17.7539, 9.1026, 3.0838



1.1845, 0.6034, 0.3804

Previews

White Background



This preview shows how the XYZ color 46.6233, 59.6785, 63.0946 looks on a white background.

Color Contrast Check

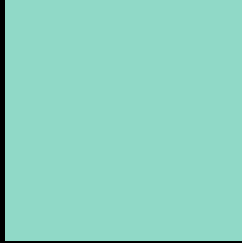
Large Text (above 18pt) WCAG AA × Fail

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 46.6233, 59.6785, 63.0946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

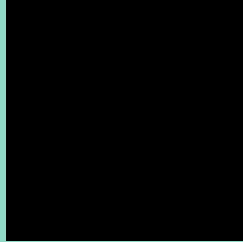
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6233, 59.6785, 63.0946

Background



This preview shows how black text looks on a background with the XYZ color 46.6233, 59.6785, 63.0946.

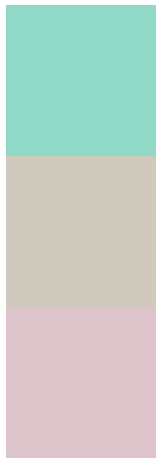


This preview shows how white text looks on a background with the XYZ color 46.6233, 59.6785,

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

46.6233, 59.6785, 63.0946

Protanopia

56.1933, 58.9009, 57.1225

Deuteranopia

60.3382, 59.1638, 64.7395



Tritanopia

50.8397, 59.8810, 83.7416

Trichromacy



Original Color

46.6233, 59.6785, 63.0946

Protanomaly

51.9460, 58.7902, 59.0619

Deuteranomaly

54.2459, 58.7875, 64.3652

Tritanomaly

49.0455, 59.5035, 75.9182

Monochromacy



Original Color

46.6233, 59.6785, 63.0946

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

48.6501, 55.2952, 59.7387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6233, 59.6785, 63.0946 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(144, 217, 199)` looks like.

```
.text, #text, p{  
    color:rgb(144, 217, 199)  
}
```

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(144, 217, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 217, 199) }
```

Border

The CSS property to change the border of an element to XYZ 46.6233, 59.6785, 63.0946 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(144, 217, 199) }
```


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

```
.border{ border-color:rgb(144, 217, 199) }
```

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

Here you see how a box with a 4 pixel rgb(144, 217, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 217, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 217, 199);  
box-shadow:4px 4px 4px 4px rgb(144, 217,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6233, 59.6785, 63.0946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 217, 199) }
```

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

```
.background{ background-color: rgb(144,  
217, 199) }
```

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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