

Converting Colors

XYZ(49.0640, 62.1678, 67.6207)

Have a look what the booklet for
XYZ(49.0640, 62.1678, 67.6207)
contains.

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Color

**XYZ(48.9465, 61.9385,
67.7681)**

Conversions

Conversions Part 1

Format	Color
Hex	94DCCE
RGB	148, 220, 206
RGB Percent	58%, 86%, 81%
CMY	0.4196, 0.1372, 0.1922
CMYK	0.33, 0.00, 0.06, 0.14
HSL	168°, 51%, 72%
HSV	168°, 33%, 86%
XYZ	48.9465, 61.9385, 67.7681
YIQ	196.8760, -38.4180, -19.6180

Conversions

Conversions Part 2

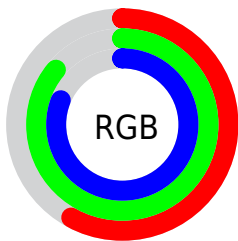
Format	Color
RYB	148, 188, 220
Decimal	9755854
CIELab	82.88, -25.44, -0.28
CIELCh	83, 25.439, 180.621
Yxy	61.9385, 0.2740, 0.3467
Android (android.graphics.Color)	4287945934 (0xFF94DCCE)
YUV	196.8760, 4.4981, -42.8643
Hunter-Lab	78.7010, -26.7123, 4.0371

Details

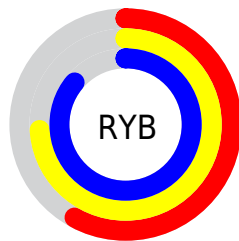
The XYZ color **48.9465, 61.9385, 67.7681** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.6288, 39.0057, 39.2561**, and the grayscale version is **52.9878, 55.7473, 60.7088**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **23.7387, 31.5569, 34.5457** is the 20% darker color. If you saturate the color by 10%, you get **44.8267, 59.8755, 64.8999**, and if you desaturate by 10%, it is **53.8403, 64.4021, 70.7491**.

Distribution



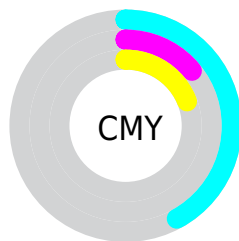
- Red (58%)
- Green (86%)
- Blue (81%)



- Red (58%)
- Yellow (74%)
- Blue (86%)



- Cyan (33%)
- Magenta (0%)
- Yellow (6%)
- Black (14%)




- Cyan (42%)
- Magenta (14%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9465, 61.9385, 67.7681 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 48.9465, 61.9385, 67.7681 by changing the saturation by 10% instead.


 48.9465, 61.9385,
67.7681


 48.9465, 61.9385,
67.7681


373.0521,
431.7067, 471.2497

 34.7914, 44.9830,
49.2436


 87.8132, 107.6366,
117.6714

 23.6680, 31.4440,
34.4458


 113.2555,
137.1481, 149.8873

 15.2109, 20.9372,
22.9561


143.1909,
171.6136, 187.5040

 9.0548, 13.0781,
14.3561

177.9848,
211.4177, 230.9402

 4.8344, 7.4824,
8.2272

218.0025,
256.9446, 280.6143

 2.1842, 3.7655,
4.1508

263.6094,

 0.7344, 1.5433,

308.5788, 336.9449

1.7084

315.1708,
366.7047, 400.3505

■ 0.0000, 0.3189,
0.3665

■ 0.0000, 0.0000,
0.0000

■ 48.9465, 61.9385,
67.7681

■ 48.9465, 61.9385,
67.7681

■ 44.8267, 59.8755,
64.8999

■ 53.8403, 64.4021,
70.7491

■ 41.4325, 58.1833,
62.1376

■ 59.5425, 67.2791,
73.8410

■ 38.7182, 56.8401,
59.4798

■ 66.0917, 70.5912,
77.0476

■ 36.6309, 55.8185,
56.9235

■ 73.5227, 74.3561,
80.3710

■ 35.1093, 55.0869,
54.4652

■ 80.7539, 78.0164,
83.7611

■ 34.0799, 54.6075,
52.1008

■ 81.3533, 78.2562,
86.9176

■ 33.5519, 54.3716,
50.4358

■ 81.9675, 78.5018,
90.1520

■ 82.5966, 78.7535,
93.4648

■ 83.2407, 79.0111,
96.8566

Harmonies

Analogous

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



50.1545, 61.9385, 53.6875



48.9465, 61.9385, 67.7681



50.2572, 61.9385, 84.0161

Triad

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



48.9465, 61.9385, 67.7681



64.4049, 61.9385, 96.8994



64.1951, 61.9385, 44.4057

Complementary

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



48.9465, 61.9385, 67.7681



46.6288, 39.0057, 39.2561

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.



68.4161, 61.9385, 53.2024



48.9465, 61.9385, 67.7681



68.5424, 61.9385, 83.3619

Square

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



48.9465, 61.9385, 67.7681



58.9850, 61.9385, 102.3568



70.0531, 61.9385, 67.1140



58.7566, 61.9385, 41.5328

Rectangle

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



48.9465, 61.9385, 67.7681



52.4328, 61.9385, 93.5711



70.0531, 61.9385, 67.1140



65.8151, 61.9385, 46.6929

Sweetspot

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



48.9483, 61.9410, 67.7695



85.4946, 95.1651, 104.3388



45.9221, 61.0504, 37.3816



18.0330, 20.2346, 22.1984



0.0000, 0.0000, 0.0000



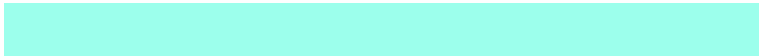
20.3446, 21.4041, 23.3091

Same Dimension

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



48.9483, 61.9410, 67.7695



64.4743, 84.5795, 92.0251



45.4185, 52.0366, 75.3632



13.3306, 14.7839, 16.2041



19.7303, 31.9247, 29.8089



1.3066, 2.0796, 2.0806

Inverse Universe

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



46.6288, 39.0057, 39.2561



60.7802, 47.9770, 46.5581



49.1624, 45.9553, 34.2972



13.1590, 13.0927, 14.0987



17.6069, 9.0438, 2.3101



1.1711, 0.5981, 0.3100

Previews

White Background



This preview shows how the XYZ color 48.9465, 61.9385, 67.7681 looks on a white background.

Color Contrast Check

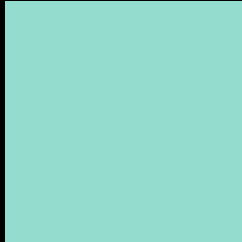
Large Text (above 18pt) WCAG AA × Fail

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 48.9465, 61.9385, 67.7681 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

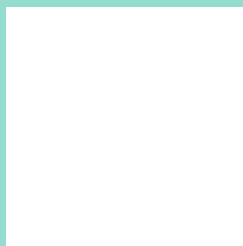
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9465, 61.9385, 67.7681

Background



This preview shows how black text looks on a background with the XYZ color 48.9465, 61.9385, 67.7681.

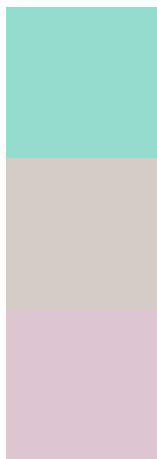


This preview shows how white text looks on a background with the XYZ color 48.9465, 61.9385,

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

48.9465, 61.9385, 67.7681

Protanopia

58.7733, 61.5427, 61.6046

Deuteranopia

62.4877, 61.1880, 69.4898



Tritanopia

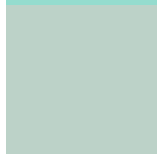
52.5903, 61.8650, 86.2601

Trichromacy



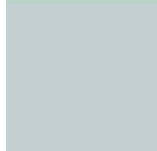
Original Color

48.9465, 61.9385, 67.7681



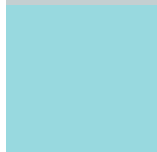
Protanomaly

54.2110, 60.9547, 63.5518



Deuteranomaly

56.5864, 60.9649, 69.1066



Tritanomaly

51.0810, 61.6288, 79.0153

Monochromacy



Original Color

48.9465, 61.9385, 67.7681



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.8471, 57.4165, 63.0461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9465, 61.9385, 67.7681 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(148, 220, 206)` looks like.

```
.text, #text, p{  
    color:rgb(148, 220, 206)  
}
```

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(148, 220, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 220, 206) }
```

Border

The CSS property to change the border of an element to XYZ 48.9465, 61.9385, 67.7681 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(148, 220, 206) }
```


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

```
.border{ border-color:rgb(148, 220, 206) }
```

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

Here you see how a box with a 4 pixel rgb(148, 220, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 220, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 220, 206);  
box-shadow:4px 4px 4px 4px rgb(148, 220,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9465, 61.9385, 67.7681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 220, 206) }
```

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

```
.background{ background-color: rgb(148,  
220, 206) }
```

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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