

Converting Colors

XYZ(48.1978, 63.3186, 61.8729)

Have a look what the booklet for
XYZ(48.1978, 63.3186, 61.8729)
contains.

XYZ(48.1211, 63.2261, 61.8922)	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(48.1211, 63.2261,
61.8922)**

Conversions

Conversions Part 1

Format	Color
Hex	90E0C4
RGB	144, 224, 196
RGB Percent	56%, 88%, 77%
CMY	0.4353, 0.1216, 0.2314
CMYK	0.36, 0.00, 0.13, 0.12
HSL	159°, 56%, 72%
HSV	159°, 36%, 88%
XYZ	48.1211, 63.2261, 61.8922
YIQ	196.8880, -38.6920, -25.6680

Conversions

Conversions Part 2

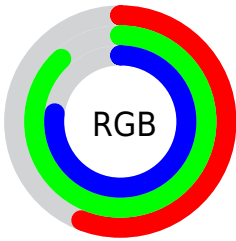
Format	Color
RYB	144, 192, 224
Decimal	9494724
CIELab	83.56, -30.64, 5.98
CIELCh	84, 31.215, 168.950
Yxy	63.2261, 0.2778, 0.3650
Android (android.graphics.Color)	4287684804 (0xFF90E0C4)
YUV	196.8880, -0.4378, -46.3828
Hunter-Lab	79.5148, -31.1257, 9.5107

Details

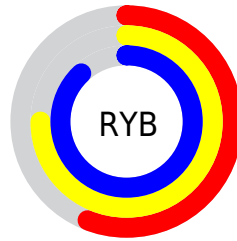
The XYZ color **48.1211, 63.2261, 61.8922** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.1623, 38.7741, 43.9780**, and the grayscale version is **53.0241, 55.7855, 60.7504**.

A 20% lighter version of the original color is **77.3090, 90.8912, 106.3976**, and **23.1016, 32.1319, 30.5757** is the 20% darker color. If you saturate the color by 10%, you get **43.7211, 61.0599, 57.1495**, and if you desaturate by 10%, it is **53.3475, 65.8162, 66.9198**.

Distribution



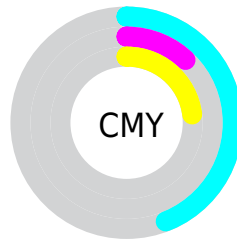
- Red (56%)
- Green (88%)
- Blue (77%)



- Red (56%)
- Yellow (75%)
- Blue (88%)



- Cyan (36%)
- Magenta (0%)
- Yellow (13%)
- Black (12%)





- Cyan (44%)
- Magenta (12%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1211, 63.2261, 61.8922 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 48.1211, 63.2261, 61.8922 by changing the saturation by 10% instead.


 48.1211, 63.2261,
61.8922


 48.1211, 63.2261,
61.8922


369.8465,
436.3896, 449.5346

 34.1344, 46.0241,
44.5104


 86.5933, 109.4956,
109.1398

 23.1603, 32.2649,
30.7318


 111.8095,
139.3320, 139.8427

 14.8333, 21.5639,
20.1380


141.4997,
174.1487, 175.8229

 8.7880, 13.5368,
12.3103

176.0291,
214.3299, 217.4992

 4.6592, 7.7992,
6.8303

215.7631,
260.2603, 265.2899

 2.0814, 3.9667,
3.2793

261.0672,

 0.6791, 1.6550,

312.3241, 319.6137

1.2390

312.3065,
370.9057, 380.8891

■ 0.0000, 0.3942,
0.0110

■ 0.0000, 0.0000,
0.0000

■ 48.1211, 63.2261,
61.8922

■ 48.1211, 63.2261,
61.8922

■ 43.7211, 61.0599,
57.1495

■ 53.3475, 65.8162,
66.9198

■ 40.0954, 59.2859,
52.6815

■ 59.4381, 68.8447,
72.2336

■ 37.1939, 57.8801,
48.4834

■ 66.4345, 72.3347,
77.8405

■ 34.9584, 56.8124,
44.5487

■ 74.3742, 76.3053,
83.7455

■ 33.3211, 56.0481,
40.8703

■ 82.9218, 80.5835,
89.9365

■ 32.1984, 55.5440,
37.4402

■ 84.0813, 81.0474,
96.0424

■ 31.8138, 55.3763,
36.0422

■ 85.2914, 81.5314,
102.4148

■ 85.9468, 81.7935,
105.8656

Harmonies

Analogous

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



50.7377, 63.2261, 47.0069



48.1211, 63.2261, 61.8922



48.5254, 63.2261, 81.7729

Triad

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



48.1211, 63.2261, 61.8922



64.4544, 63.2261, 110.8225



69.1243, 63.2261, 44.2266

Complementary

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



48.1211, 63.2261, 61.8922



48.1623, 38.7741, 43.9780

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.



73.3701, 63.2261, 57.3525



48.1211, 63.2261, 61.8922



70.5362, 63.2261, 96.5688

Square

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



48.1211, 63.2261, 61.8922



57.6160, 63.2261, 112.6721



73.9055, 63.2261, 76.2945



62.6431, 63.2261, 38.1699

Rectangle

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



48.1211, 63.2261, 61.8922



50.4622, 63.2261, 95.2535



73.9055, 63.2261, 76.2945



70.8806, 63.2261, 47.8293

Sweetspot

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



48.1229, 63.2287, 61.8936



83.9320, 94.4464, 100.3381



48.9991, 64.2499, 36.2056



17.6944, 20.0805, 21.2579



0.0000, 0.0000, 0.0000



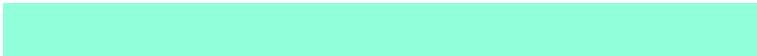
20.3446, 21.4041, 23.3091

Same Dimension

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



48.1229, 63.2287, 61.8936



59.9738, 82.5616, 78.1618



48.8364, 59.0699, 79.3516



13.9022, 15.4866, 16.5201



18.5735, 32.2543, 21.2750



1.3293, 2.2524, 1.6952

Inverse Universe

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



48.1623, 38.7741, 43.9780



60.0424, 45.0673, 50.7335



47.4424, 41.1945, 31.8375



13.9043, 13.7794, 15.2665



18.7514, 9.5676, 5.3566



1.3411, 0.6797, 0.5891

Previews

White Background



This preview shows how the XYZ color 48.1211, 63.2261, 61.8922 looks on a white background.

Color Contrast Check

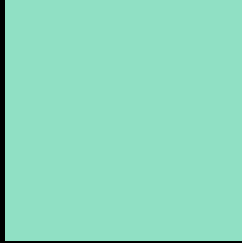
Large Text (above 18pt) WCAG AA × Fail

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 48.1211, 63.2261, 61.8922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

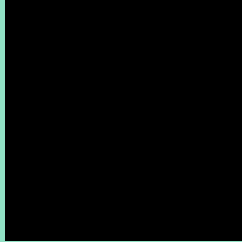
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1211, 63.2261, 61.8922

Background



This preview shows how black text looks on a background with the XYZ color 48.1211, 63.2261, 61.8922.

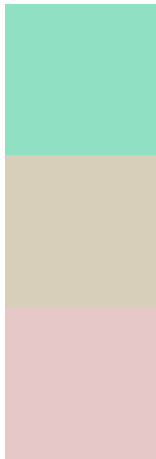


This preview shows how white text looks on a background with the XYZ color 48.1211, 63.2261,

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

48.1211, 63.2261, 61.8922

Protanopia

59.6014, 62.8124, 55.9964

Deuteranopia

63.8300, 62.3486, 63.9286



Tritanopia

53.3486, 62.9712, 88.6998

Trichromacy



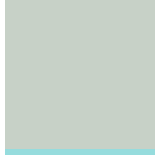
Original Color

48.1211, 63.2261, 61.8922



Protanomaly

54.3237, 62.2534, 57.8681



Deuteranomaly

56.6625, 61.8666, 62.9878



Tritanomaly

51.2220, 62.8909, 77.8461

Monochromacy



Original Color

48.1211, 63.2261, 61.8922



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.7510, 58.1218, 61.3671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1211, 63.2261, 61.8922 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, 224, 196)` looks like.

```
.text, #text, p{  
    color:rgb(144, 224, 196)  
}
```

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, 224, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 224, 196) }
```

Border

The CSS property to change the border of an element to XYZ 48.1211, 63.2261, 61.8922 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, 224, 196) }
```


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

```
.border{ border-color:rgb(144, 224, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 224, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 224, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 224, 196); box-shadow:4px 4px 4px 4px rgb(144, 224, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1211, 63.2261, 61.8922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 224, 196) }
```

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

```
.background{ background-color: rgb(144,  
224, 196) }
```

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