

Converting Colors

XYZ(48.1947, 58.3519, 69.5673)

Have a look what the booklet for
XYZ(48.1947, 58.3519, 69.5673)
contains.

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Color

**XYZ(48.3132, 58.5124,
69.7204)**

Conversions

Conversions Part 1

Format	Color
Hex	99D4D2
RGB	153, 212, 210
RGB Percent	60%, 83%, 82%
CMY	0.4000, 0.1686, 0.1765
CMYK	0.28, 0.00, 0.01, 0.17
HSL	178°, 41%, 72%
HSV	178°, 28%, 83%
XYZ	48.3132, 58.5124, 69.7204
YIQ	194.1310, -34.5220, -13.1300

Conversions

Conversions Part 2

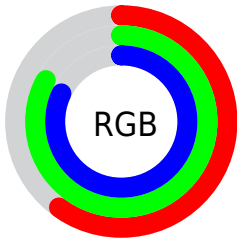
Format	Color
RYB	153, 183, 212
Decimal	10081490
CIELab	81.02, -19.17, -5.10
CIElCh	81, 19.833, 194.910
Yxy	58.5124, 0.2737, 0.3314
Android (android.graphics.Color)	4288271570 (0xFF99D4D2)
YUV	194.1310, 7.8234, -36.0719
Hunter-Lab	76.4934, -21.1229, -0.4949

Details

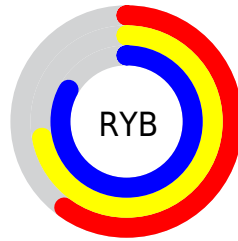
The XYZ color **48.3132, 58.5124, 69.7204** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.4610, 39.1477, 36.2256**, and the grayscale version is **51.3268, 53.9998, 58.8058**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **23.3133, 29.2236, 35.8645** is the 20% darker color. If you saturate the color by 10%, you get **44.5729, 56.5960, 69.0796**, and if you desaturate by 10%, it is **52.7682, 60.8002, 70.3992**.

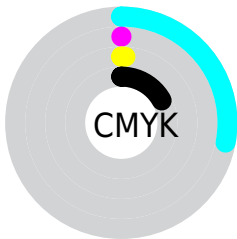
Distribution



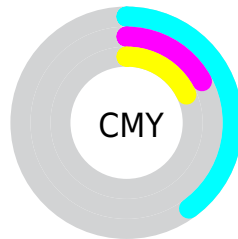
- Red (60%)
- Green (83%)
- Blue (82%)



- Red (60%)
- Yellow (72%)
- Blue (83%)



- Cyan (28%)
- Magenta (0%)
- Yellow (1%)
- Black (17%)





- Cyan (40%)
- Magenta (17%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3132, 58.5124, 69.7204 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 48.3132, 58.5124, 69.7204 by changing the saturation by 10% instead.


 48.3132, 58.5124,
69.7204


 48.3132, 58.5124,
69.7204


370.5942,
419.0925, 478.3302

 34.2873, 42.2207,
50.8232


 86.8774, 102.6687,
120.4873

 23.2783, 29.2742,
35.6922


 112.1464,
131.3020, 153.1941

 14.9210, 19.2883,
23.9088


141.8938,
164.8181, 191.3413

 8.8499, 11.8788,
15.0544

176.4850,
203.6012, 235.3472

 4.6997, 6.6612,
8.7105

216.2852,
248.0359, 285.6306

 2.1051, 3.2511,
4.4586

261.6599,

 0.6920, 1.2642,

298.5064, 342.6098

1.8802

312.9745,
355.3971, 406.7035

■ 0.0000, 0.1132,
0.4801

■ 0.0000, 0.0000,
0.0000

■ 48.3132, 58.5124,
69.7204

■ 48.3132, 58.5124,
69.7204

■ 44.5729, 56.5960,
69.0796

■ 52.7682, 60.8002,
70.3992

■ 41.5045, 55.0245,
68.4712

■ 57.9678, 63.4702,
71.1138

■ 39.0688, 53.7791,
67.8944

■ 63.9460, 66.5416,
71.8668

■ 37.2200, 52.8362,
67.3472

■ 70.7337, 70.0303,
72.6599

■ 35.9065, 52.1692,
66.8271

■ 76.8710, 73.1836,
73.4246

■ 35.0676, 51.7469,
66.3314

■ 76.9629, 73.2203,
73.9086

■ 34.6172, 51.5247,
65.8559

■ 77.0552, 73.2573,
74.3947

■ 34.5408, 51.4875,
65.7540

■ 77.1479, 73.2943,
74.8829

■ 77.2410, 73.3316,
75.3733

Harmonies

Analogous

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



48.3191, 58.5124, 57.9908



48.3132, 58.5124, 69.7204



50.1966, 58.5124, 81.0851

Triad

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



48.3132, 58.5124, 69.7204



61.3896, 58.5124, 81.1442



57.6997, 58.5124, 44.2396

Complementary

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



48.3132, 58.5124, 69.7204



44.4610, 39.1477, 36.2256

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.



61.4084, 58.5124, 49.0134



48.3132, 58.5124, 69.7204



63.6091, 58.5124, 69.7935

Square

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



48.3132, 58.5124, 69.7204



57.6751, 58.5124, 88.2127



63.6162, 58.5124, 58.0555



53.6031, 58.5124, 44.2251

Rectangle

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



48.3132, 58.5124, 69.7204



52.3261, 58.5124, 86.5153



63.6162, 58.5124, 58.0555



59.0375, 58.5124, 45.3121

Sweetspot

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



48.3149, 58.5148, 69.7217



87.8277, 96.2896, 107.9812



42.9956, 56.4522, 38.7684



18.5267, 20.4702, 23.0763



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.



48.3149, 58.5148, 69.7217



70.1154, 87.1985, 105.3506



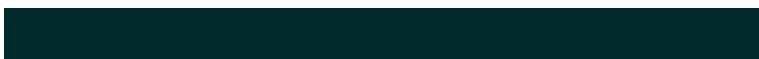
42.4655, 46.4142, 69.0107



12.7731, 14.1003, 15.8857



21.3308, 31.7877, 40.6331



1.2924, 1.9196, 2.4815

Inverse Universe

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



44.4610, 39.1477, 36.2256



63.3859, 53.3737, 46.8557



49.1337, 48.7601, 36.9602



12.4402, 12.4276, 12.9922



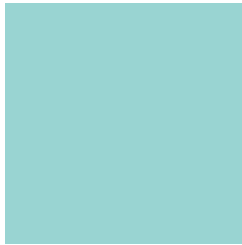
16.7937, 8.6538, 0.9517



1.0191, 0.5244, 0.0898

Previews

White Background



This preview shows how the XYZ color 48.3132, 58.5124, 69.7204 looks on a white background.

Color Contrast Check

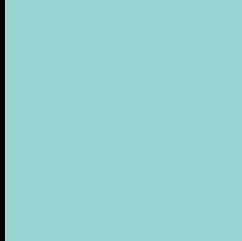
Large Text (above 18pt) WCAG AA × Fail

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 48.3132, 58.5124, 69.7204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

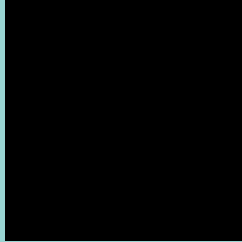
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3132, 58.5124, 69.7204

Background



This preview shows how black text looks on a background with the XYZ color 48.3132, 58.5124, 69.7204.



This preview shows how white text looks on a background with the XYZ color 48.3132, 58.5124,

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

48.3132, 58.5124, 69.7204

Protanopia

55.8315, 57.8552, 64.7244

Deuteranopia

59.3843, 58.1814, 71.7186



Tritanopia

50.6787, 58.7523, 80.6208

Trichromacy



Original Color

48.3132, 58.5124, 69.7204

Protanomaly

52.7410, 57.9563, 66.7994

Deuteranomaly

54.6351, 57.7839, 71.2246

Tritanomaly

49.9228, 58.8238, 76.4331

Monochromacy



Original Color

48.3132, 58.5124, 69.7204

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.9024, 55.5271, 62.7313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3132, 58.5124, 69.7204 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(153, 212, 210)` looks like.

```
.text, #text, p{  
    color:rgb(153, 212, 210)  
}
```

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(153, 212, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 212, 210) }
```

Border

The CSS property to change the border of an element to XYZ 48.3132, 58.5124, 69.7204 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(153, 212, 210) }
```


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

```
.border{ border-color:rgb(153, 212, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 212, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 212, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 212, 210);  
box-shadow:4px 4px 4px 4px rgb(153, 212,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3132, 58.5124, 69.7204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 212, 210) }
```

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

```
.background{ background-color: rgb(153,  
212, 210) }
```

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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