

Converting Colors

XYZ(47.0148, 58.3615, 70.0455)

Have a look what the booklet for
XYZ(47.0148, 58.3615, 70.0455)
contains.

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Color

**XYZ(46.9287, 58.1709,
69.7275)**

Conversions

Conversions Part 1

Format	Color
Hex	90D5D2
RGB	144, 213, 210
RGB Percent	56%, 84%, 82%
CMY	0.4353, 0.1647, 0.1765
CMYK	0.32, 0.00, 0.01, 0.16
HSL	177°, 45%, 70%
HSV	177°, 32%, 84%
XYZ	46.9287, 58.1709, 69.7275
YIQ	192.0270, -40.1610, -15.5610

Conversions

Conversions Part 2

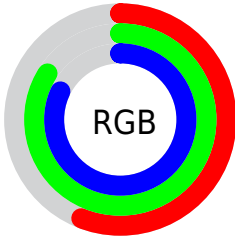
Format	Color
RYB	144, 179, 213
Decimal	9491922
CIELab	80.83, -22.20, -5.44
CIELCh	81, 22.855, 193.757
Yxy	58.1709, 0.2684, 0.3327
Android (android.graphics.Color)	4287682002 (0xFF90D5D2)
YUV	192.0270, 8.8607, -42.1197
Hunter-Lab	76.2698, -23.6415, -0.8153

Details

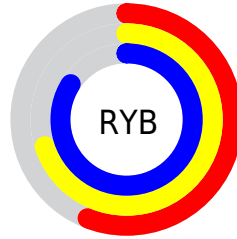
The XYZ color **46.9287, 58.1709, 69.7275** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.6823, 36.2009, 32.3438**, and the grayscale version is **50.0867, 52.6952, 57.3850**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **22.4441, 29.0277, 35.8725** is the 20% darker color. If you saturate the color by 10%, you get **43.4390, 56.3867, 68.9644**, and if you desaturate by 10%, it is **51.1244, 60.3219, 70.5297**.

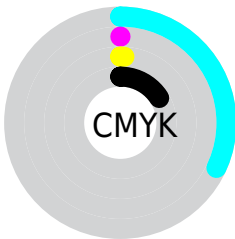
Distribution



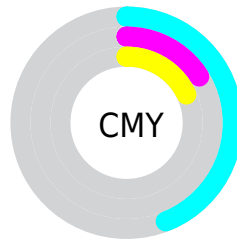
- Red (56%)
- Green (84%)
- Blue (82%)



- Red (56%)
- Yellow (70%)
- Blue (84%)



- Cyan (32%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)





- Cyan (44%)
- Magenta (16%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9287, 58.1709, 69.7275 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 46.9287, 58.1709, 69.7275 by changing the saturation by 10% instead.


 46.9287, 58.1709,
69.7275


 46.9287, 58.1709,
69.7275


365.1835,
417.8224, 478.3559

 33.1870, 41.9461,
50.8290


 84.8266, 102.1717,
120.4975

 22.4297, 29.0591,
35.6967


 109.7135,
130.7164, 153.2061

 14.2913, 19.1255,
23.9122

139.0461,
164.1366, 191.3552

 8.4066, 11.7610,
15.0569

173.1899,
202.8165, 235.3632

 4.4102, 6.5812,
8.7123

212.5102,
247.1407, 285.6487

 1.9367, 3.2016,
4.4598

257.3723,

 0.5980, 1.2379,

297.4935, 342.6303

1.8808

308.1416,
354.2593, 406.7265

■ 0.0000, 0.0923,
0.4805

■ 0.0000, 0.0000,
0.0000

■ 46.9287, 58.1709,
69.7275

■ 46.9287, 58.1709,
69.7275

■ 43.4390, 56.3867,
68.9644

■ 51.1244, 60.3219,
70.5297

■ 40.6106, 54.9418,
68.2344

■ 56.0573, 62.8515,
71.3686

■ 38.4016, 53.8162,
67.5369

■ 61.7633, 65.7795,
72.2472

■ 36.7635, 52.9847,
66.8696

■ 68.2741, 69.1223,
73.1670

■ 35.6401, 52.4186,
66.2298

■ 75.6197, 72.8954,
74.1294

■ 34.9644, 52.0832,
65.6145

■ 77.3734, 73.7857,
74.8336

■ 34.6626, 51.9374,
65.1587

■ 77.4933, 73.8337,
75.4648

■ 77.6138, 73.8819,
76.0996

■ 77.7350, 73.9304,
76.7380

Harmonies

Analogous

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



47.0202, 58.1709, 56.3376



46.9287, 58.1709, 69.7275



48.9857, 58.1709, 83.0847

Triad

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



46.9287, 58.1709, 69.7275



61.8120, 58.1709, 84.0445



57.8692, 58.1709, 41.5034

Complementary

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



46.9287, 58.1709, 69.7275



42.6823, 36.2009, 32.3438

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.



62.1126, 58.1709, 46.9980



46.9287, 58.1709, 69.7275



64.4760, 58.1709, 70.8960

Square

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



46.9287, 58.1709, 69.7275



57.4778, 58.1709, 92.1117



64.5891, 58.1709, 57.3517



53.1578, 58.1709, 41.2835

Rectangle

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



46.9287, 58.1709, 69.7275



51.3701, 58.1709, 89.6504



64.5891, 58.1709, 57.3517



59.4037, 58.1709, 42.7552

Sweetspot

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



46.9304, 58.1732, 69.7288



86.1047, 95.4091, 107.5516



40.9435, 55.8492, 35.0088



18.1817, 20.2941, 22.9810



0.0000, 0.0000, 0.0000



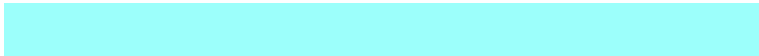
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9304, 58.1732, 69.7288



66.7444, 85.4875, 103.9795



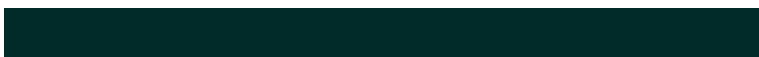
40.2313, 44.1707, 69.3587



12.7678, 14.0981, 15.8574



21.1828, 31.7285, 39.8539



1.2850, 1.9167, 2.4427

Inverse Universe

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



42.6823, 36.2009, 32.3438



59.3875, 47.4200, 39.2243



47.8163, 46.8412, 32.9078



12.4449, 12.4295, 13.0173



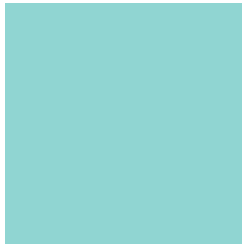
16.8027, 8.6574, 0.9989



1.0213, 0.5253, 0.1017

Previews

White Background



This preview shows how the XYZ color 46.9287, 58.1709, 69.7275 looks on a white background.

Color Contrast Check

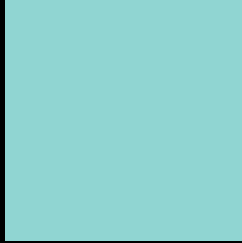
Large Text (above 18pt) WCAG AA × Fail

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 46.9287, 58.1709, 69.7275 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 46.9287, 58.1709, 69.7275

Background



This preview shows how black text looks on a background with the XYZ color 46.9287, 58.1709, 69.7275.

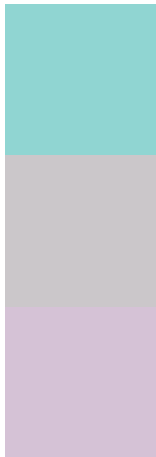


This preview shows how white text looks on a background with the XYZ color 46.9287, 58.1709,

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

46.9287, 58.1709, 69.7275

Protanopia

55.7127, 57.8076, 64.0987

Deuteranopia

58.8700, 57.5847, 71.6305



Tritanopia

49.1245, 57.9351, 81.2665

Trichromacy



Original Color

46.9287, 58.1709, 69.7275

Protanomaly

51.9037, 57.5386, 66.1280

Deuteranomaly

53.6359, 57.2688, 71.1778

Tritanomaly

48.3780, 58.0120, 77.0543

Monochromacy



Original Color

46.9287, 58.1709, 69.7275

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.6423, 54.5460, 61.9975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9287, 58.1709, 69.7275 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, 213, 210)` looks like.

```
.text, #text, p{  
    color:rgb(144, 213, 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(144, 213, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 213, 210) }
```

Border

The CSS property to change the border of an element to XYZ 46.9287, 58.1709, 69.7275 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, 213, 210) }
```


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

```
.border{ border-color:rgb(144, 213, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 213, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 213, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 213, 210);  
box-shadow:4px 4px 4px 4px rgb(144, 213,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9287, 58.1709, 69.7275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 213, 210) }
```

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

```
.background{ background-color: rgb(144,  
213, 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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