

Converting Colors

XYZ(48.9412, 59.5630, 70.9073)

Have a look what the booklet for
XYZ(48.9412, 59.5630, 70.9073)
contains.

XYZ(49.0671, 59.6189, 71.2088)	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(49.0671, 59.6189,
71.2088)**

Conversions

Conversions Part 1

Format	Color
Hex	99D6D4
RGB	153, 214, 212
RGB Percent	60%, 84%, 83%
CMY	0.4000, 0.1608, 0.1686
CMYK	0.29, 0.00, 0.01, 0.16
HSL	178°, 43%, 72%
HSV	178°, 29%, 84%
XYZ	49.0671, 59.6189, 71.2088
YIQ	195.5330, -35.7140, -13.5540

Conversions

Conversions Part 2

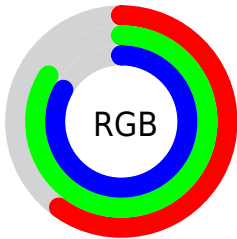
Format	Color
RYB	153, 184, 214
Decimal	10082004
CIELab	81.63, -19.72, -5.27
CIELCh	82, 20.413, 194.971
Yxy	59.6189, 0.2728, 0.3314
Android (android.graphics.Color)	4288272084 (0xFF99D6D4)
YUV	195.5330, 8.1182, -37.3014
Hunter-Lab	77.2133, -21.6910, -0.6300

Details

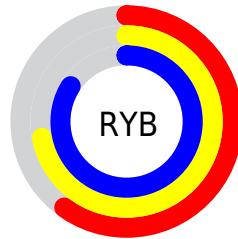
The XYZ color **49.0671, 59.6189, 71.2088** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.0413, 39.4469, 36.2528**, and the grayscale version is **52.1595, 54.8758, 59.7598**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **23.6295, 29.8832, 36.4209** is the 20% darker color. If you saturate the color by 10%, you get **45.2966, 57.6869, 70.5719**, and if you desaturate by 10%, it is **53.5658, 61.9293, 71.8843**.

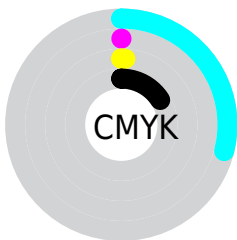
Distribution



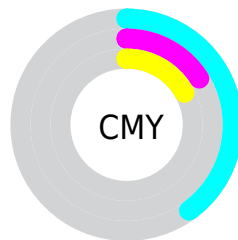
- Red (60%)
- Green (84%)
- Blue (83%)



- Red (60%)
- Yellow (72%)
- Blue (84%)



- Cyan (29%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)



- Cyan (40%)
- Magenta (16%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0671, 59.6189, 71.2088 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 49.0671, 59.6189, 71.2088 by changing the saturation by 10% instead.

■ 49.0671, 59.6189,
71.2088

■ 49.0671, 59.6189,
71.2088

373.5190,
423.1916, 483.6863

■ 34.8875, 43.1115,
52.0297

■ 87.9912, 104.2766,
122.6282

■ 23.7423, 29.9726,
36.6464

■ 113.4664,
133.1958, 155.7056

■ 15.2663, 19.8178,
24.6402

143.4375,
167.0210, 194.2529

■ 9.0940, 12.2627,
15.5926

178.2699,
206.1367, 238.6886

■ 4.8602, 6.9228,
9.0851

218.3289,
250.9271, 289.4313

■ 2.1994, 3.4139,
4.6992

263.9798,

■ 0.7424, 1.3514,

301.7769, 346.8994

2.0162

315.5881,
359.0702, 411.5116

■ 0.0000, 0.1805,
0.5652

■ 0.0000, 0.0000,
0.0000

■ 49.0671, 59.6189,
71.2088

■ 49.0671, 59.6189,
71.2088

■ 45.2966, 57.6869,
70.5719

■ 53.5658, 61.9293,
71.8843

■ 42.2105, 56.1061,
69.9678

■ 58.8234, 64.6294,
72.5961

■ 39.7680, 54.8571,
69.3959

■ 64.8751, 67.7388,
73.3470

■ 37.9223, 53.9156,
68.8538

■ 71.7523, 71.2738,
74.1386

36.6197, 53.2542,
68.3392

77.6195, 74.2880,
74.8850

35.7976, 52.8404,
67.8491

77.7103, 74.3243,
75.3630

35.3604, 52.6249,
67.3790

77.8015, 74.3607,
75.8431

35.3074, 52.5991,
67.3094

77.8930, 74.3974,
76.3253

77.9850, 74.4341,
76.8095

Harmonies

Analogous

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



49.0691, 59.6189, 58.9814



49.0671, 59.6189, 71.2088



51.0299, 59.6189, 83.0773

Triad

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



49.0671, 59.6189, 71.2088



62.6961, 59.6189, 83.0973



58.8313, 59.6189, 44.6731

Complementary

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



49.0671, 59.6189, 71.2088



45.0413, 39.4469, 36.2528

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.



62.7024, 59.6189, 49.6135



49.0671, 59.6189, 71.2088



65.0091, 59.6189, 71.2335

Square

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



49.0671, 59.6189, 71.2088



58.8230, 59.6189, 90.5072



65.0115, 59.6189, 59.0031



54.5623, 59.6189, 44.6683

Rectangle

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



49.0671, 59.6189, 71.2088



53.2483, 59.6189, 88.7512



65.0115, 59.6189, 59.0031



60.2269, 59.6189, 45.7812

Sweetspot

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



49.0688, 59.6213, 71.2102



86.9839, 95.8557, 107.8906



43.3221, 57.3673, 38.9279



18.3588, 20.3839, 23.0591



0.0000, 0.0000, 0.0000



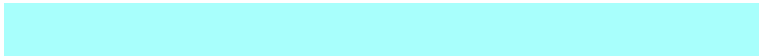
20.3446, 21.4041, 23.3091

Same Dimension

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



49.0688, 59.6213, 71.2102



69.5675, 86.9158, 105.3331



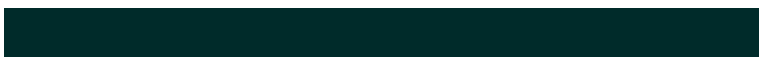
42.7370, 46.5508, 70.3538



12.7738, 14.1005, 15.8890



21.3481, 31.7946, 40.7243



1.2933, 1.9200, 2.4861

Inverse Universe

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



45.0413, 39.4469, 36.2528



62.6627, 52.3220, 45.3977



50.1024, 49.8360, 37.1168



12.4396, 12.4273, 12.9893



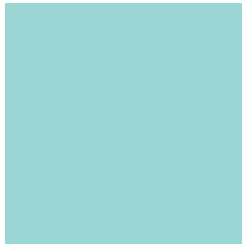
16.7927, 8.6534, 0.9463



1.0188, 0.5243, 0.0884

Previews

White Background



This preview shows how the XYZ color 49.0671, 59.6189, 71.2088 looks on a white background.

Color Contrast Check

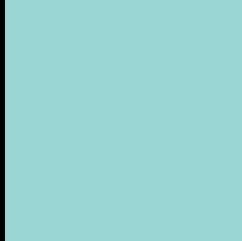
Large Text (above 18pt) WCAG AA × Fail

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 49.0671, 59.6189, 71.2088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

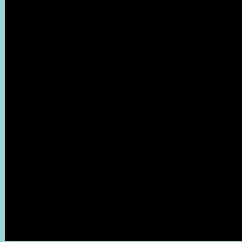
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0671, 59.6189, 71.2088

Background



This preview shows how black text looks on a background with the XYZ color 49.0671, 59.6189, 71.2088.

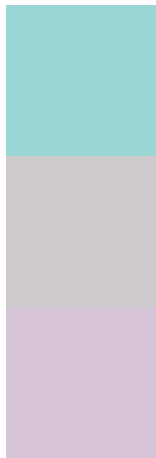


This preview shows how white text looks on a background with the XYZ color 49.0671, 59.6189,

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

49.0671, 59.6189, 71.2088

Protanopia

56.9626, 59.1121, 65.5343

Deuteranopia

60.4535, 59.0367, 73.1747



Tritanopia

51.2025, 59.3581, 82.1574

Trichromacy



Original Color

49.0671, 59.6189, 71.2088

Protanomaly

53.5835, 59.0867, 67.6122

Deuteranomaly

55.6140, 58.9556, 72.7384

Tritanomaly

50.4386, 59.4288, 77.9198

Monochromacy



Original Color

49.0671, 59.6189, 71.2088

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.8390, 56.6794, 64.1378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0671, 59.6189, 71.2088 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, 214, 212)` looks like.

```
.text, #text, p{  
    color:rgb(153, 214, 212)  
}
```

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, 214, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 214, 212) }
```

Border

The CSS property to change the border of an element to XYZ 49.0671, 59.6189, 71.2088 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, 214, 212) }
```


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

```
.border{ border-color:rgb(153, 214, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 214, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 214, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 214, 212); box-shadow:4px 4px 4px 4px rgb(153, 214, 212) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0671, 59.6189, 71.2088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 214, 212) }
```

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

```
.background{ background-color: rgb(153,  
214, 212) }
```

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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