

Converting Colors

XYZ(49.2597, 60.1240, 69.9816)

Have a look what the booklet for
XYZ(49.2597, 60.1240, 69.9816)
contains.

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Color

**XYZ(49.2597, 60.1240,
69.9816)**

Conversions

Conversions Part 1

Format	Color
Hex	9AD7D2
RGB	154, 215, 210
RGB Percent	60%, 84%, 82%
CMY	0.3961, 0.1568, 0.1765
CMYK	0.28, 0.00, 0.02, 0.16
HSL	175°, 43%, 72%
HSV	175°, 28%, 84%
XYZ	49.2597, 60.1240, 69.9816
YIQ	196.1910, -34.7510, -14.4870

Conversions

Conversions Part 2

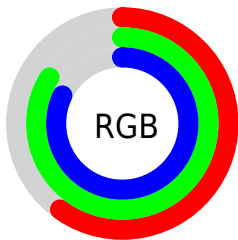
Format	Color
RYB	154, 186, 215
Decimal	10147794
CIELab	81.91, -20.38, -3.80
CIELCh	82, 20.732, 190.551
Yxy	60.1240, 0.2746, 0.3352
Android (android.graphics.Color)	4288337874 (0xFF9AD7D2)
YUV	196.1910, 6.8078, -37.0015
Hunter-Lab	77.5397, -22.2962, 0.7670

Details

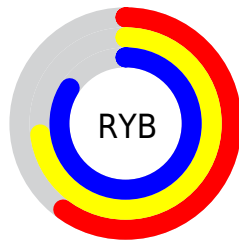
The XYZ color **49.2597, 60.1240, 69.9816** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.8400, 40.0631, 38.1202**, and the grayscale version is **52.5607, 55.2979, 60.2194**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **23.9384, 30.3086, 36.0410** is the 20% darker color. If you saturate the color by 10%, you get **45.3104, 58.1149, 68.6576**, and if you desaturate by 10%, it is **53.9478, 62.5168, 71.3554**.

Distribution



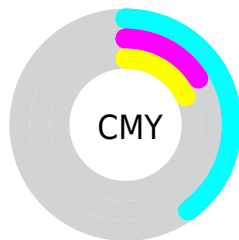
- Red (60%)
- Green (84%)
- Blue (82%)



- Red (60%)
- Yellow (73%)
- Blue (84%)



- Cyan (28%)
- Magenta (0%)
- Yellow (2%)
- Black (16%)





- Cyan (40%)
- Magenta (16%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2597, 60.1240, 69.9816 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 49.2597, 60.1240, 69.9816 by changing the saturation by 10% instead.


 49.2597, 60.1240,
69.9816


 49.2597, 60.1240,
69.9816


374.2638,
425.0547, 479.2728

 35.0409, 43.5186,
51.0348


 88.2754, 105.0095,
120.8634

 23.8611, 30.2922,
35.8594


 113.8031,
134.0584, 153.6355

 15.3548, 20.0605,
24.0368

143.8311,
168.0240, 191.8531

 9.1567, 12.4390,
15.1485

178.7249,
207.2905, 235.9347

 4.9014, 7.0434,
8.7759

218.8496,
252.2424, 286.2990

 2.2237, 3.4893,
4.5005

264.5708,

 0.7552, 1.3922,

303.2642, 343.3644

1.9037

316.2538,
360.7401, 407.5495

■ 0.0000, 0.2110,
0.4951

■ 0.0000, 0.0000,
0.0000

■ 49.2597, 60.1240,
69.9816

■ 49.2597, 60.1240,
69.9816

■ 45.3104, 58.1149,
68.6576

■ 53.9478, 62.5168,
71.3554

■ 42.0557, 56.4619,
67.3773

■ 59.4057, 65.3047,
72.7767

■ 39.4543, 55.1455,
66.1402

■ 65.6690, 68.5074,
74.2484

■ 37.4588, 54.1413,
64.9440

■ 72.7695, 72.1415,
75.7719

■ 36.0153, 53.4213,
63.7861

■ 78.3036, 74.9678,
77.2350

■ 35.0603, 52.9528,
62.6634

■ 78.5368, 75.0611,
78.4629

■ 34.4991, 52.6870,
61.5716

■ 78.7724, 75.1553,
79.7037

■ 34.4222, 52.6512,
61.3957

■ 79.0105, 75.2505,
80.9575

■ 79.2511, 75.3468,
82.2244

Harmonies

Analogous

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



49.5666, 60.1240, 57.7574



49.2597, 60.1240, 69.9816



50.9825, 60.1240, 82.4316

Triad

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



49.2597, 60.1240, 69.9816



62.7983, 60.1240, 85.5558



59.9965, 60.1240, 45.2529

Complementary

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



49.2597, 60.1240, 69.9816



45.8400, 40.0631, 38.1202

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.



63.7873, 60.1240, 51.0022



49.2597, 60.1240, 69.9816



65.4612, 60.1240, 73.8291

Square

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



49.2597, 60.1240, 69.9816



58.7022, 60.1240, 92.1559



65.8322, 60.1240, 61.1467



55.6177, 60.1240, 44.4999

Rectangle

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



49.2597, 60.1240, 69.9816



53.1045, 60.1240, 88.7953



65.8322, 60.1240, 61.1467



61.3876, 60.1240, 46.6271

Sweetspot

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



49.2614, 60.1264, 69.9830



86.8034, 95.7835, 106.9401



44.4496, 58.3158, 39.4864



18.3140, 20.3659, 22.8230



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.



49.2614, 60.1264, 69.9830



68.8986, 86.6483, 101.8110



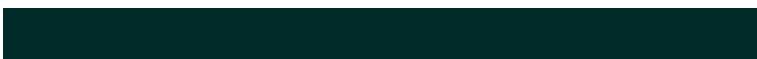
43.9173, 48.4249, 71.3250



12.7462, 14.0895, 15.7439



20.6067, 31.4980, 36.8200



1.2562, 1.9051, 2.2908

Inverse Universe

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



45.8400, 40.0631, 38.1202



63.0763, 52.4874, 47.5755



50.0629, 49.1896, 37.4290



12.4642, 12.4372, 13.1186



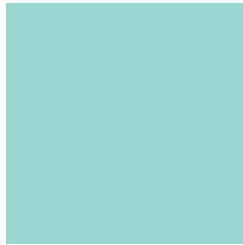
16.8413, 8.6728, 1.2022



1.0305, 0.5290, 0.1499

Previews

White Background



This preview shows how the XYZ color 49.2597, 60.1240, 69.9816 looks on a white background.

Color Contrast Check

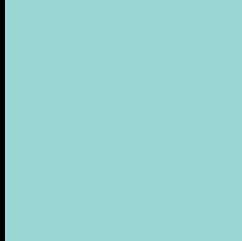
Large Text (above 18pt) WCAG AA × Fail

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 49.2597, 60.1240, 69.9816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

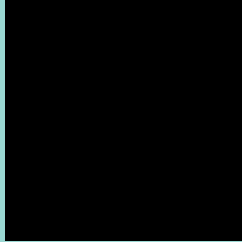
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2597, 60.1240, 69.9816

Background



This preview shows how black text looks on a background with the XYZ color 49.2597, 60.1240, 69.9816.

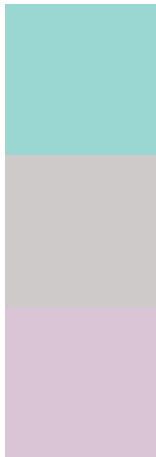


This preview shows how white text looks on a background with the XYZ color 49.2597, 60.1240,

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

49.2597, 60.1240, 69.9816

Protanopia

57.2348, 59.6271, 64.3697

Deuteranopia

61.0173, 59.6930, 71.9243



Tritanopia

51.7869, 60.0132, 82.9830

Trichromacy



Original Color

49.2597, 60.1240, 69.9816

Protanomaly

53.8258, 59.5982, 66.4243

Deuteranomaly

56.1088, 59.5919, 71.4959

Tritanomaly

50.8837, 60.0305, 78.0124

Monochromacy



Original Color

49.2597, 60.1240, 69.9816

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.9546, 56.7527, 63.5271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2597, 60.1240, 69.9816 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(154, 215, 210)` looks like.

```
.text, #text, p{  
    color:rgb(154, 215, 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(154, 215, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 215, 210) }
```

Border

The CSS property to change the border of an element to XYZ 49.2597, 60.1240, 69.9816 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(154, 215, 210) }
```


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

```
.border{ border-color:rgb(154, 215, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 215, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 215, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 215, 210);  
box-shadow:4px 4px 4px 4px rgb(154, 215,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2597, 60.1240, 69.9816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 215, 210) }
```

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

```
.background{ background-color: rgb(154,  
215, 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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