

Converting Colors

XYZ(49.0798, 60.6532, 58.9997)

Have a look what the booklet for
XYZ(49.0798, 60.6532, 58.9997)
contains.

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Color

**XYZ(49.1746, 60.7040,
58.9944)**

Conversions

Conversions Part 1

Format	Color
Hex	A3D8C0
RGB	163, 216, 192
RGB Percent	64%, 85%, 75%
CMY	0.3608, 0.1529, 0.2471
CMYK	0.25, 0.00, 0.11, 0.15
HSL	153°, 40%, 74%
HSV	153°, 25%, 85%
XYZ	49.1746, 60.7040, 58.9944
YIQ	197.4170, -23.8840, -18.7000

Conversions

Conversions Part 2

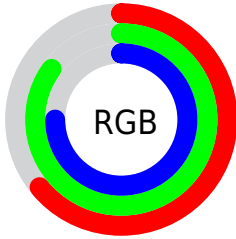
Format	Color
RYB	163, 197, 216
Decimal	10737856
CIELab	82.22, -21.97, 6.30
CIElCh	82, 22.850, 164.005
Yxy	60.7040, 0.2912, 0.3595
Android (android.graphics.Color)	4288927936 (0xFFA3D8C0)
YUV	197.4170, -2.6706, -30.1837
Hunter-Lab	77.9128, -23.6872, 9.6454

Details

The XYZ color **49.1746, 60.7040, 58.9944** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.3879, 44.3829, 52.9275**, and the grayscale version is **53.3504, 56.1287, 61.1242**.

A 20% lighter version of the original color is **81.9167, 93.3574, 102.5092**, and **23.8355, 30.6688, 29.0895** is the 20% darker color. If you saturate the color by 10%, you get **44.0761, 58.1984, 53.2854**, and if you desaturate by 10%, it is **55.1039, 63.6329, 65.1210**.

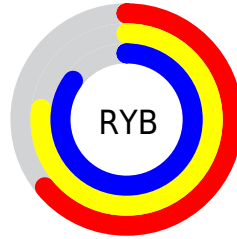
Distribution



Red (64%)

Green (85%)

Blue (75%)



Red (64%)

Yellow (77%)

Blue (85%)

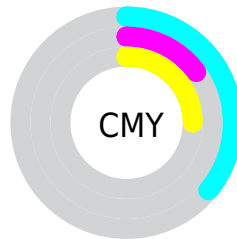


Cyan (25%)

Magenta (0%)

Yellow (11%)

Black (15%)



Cyan (36%)


Magenta (15%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1746, 60.7040, 58.9944 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 49.1746, 60.7040, 58.9944 by changing the saturation by 10% instead.


 49.1746, 60.7040,
58.9944


 49.1746, 60.7040,
58.9944


373.9348,
427.1879, 438.5825

 34.9731, 43.9863,
42.1886


 88.1499, 105.8502,
104.8986

 23.8086, 30.6598,
28.9223


 113.6544,
135.0476, 134.8340

 15.3157, 20.3399,
18.7770


143.6573,
169.1736, 169.9832

 9.1290, 12.6424,
11.3341

178.5239,
208.6127, 210.7645

 4.8832, 7.1827,
6.1750

218.6196,
253.7493, 257.5965

 2.2129, 3.5766,
2.8813

264.3098,

 0.7495, 1.4397,

304.9678, 310.8979

1.0343

315.9597,
362.6525, 371.0870

■ 0.0000, 0.2457,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.1746, 60.7040,
58.9944

■ 49.1746, 60.7040,
58.9944

■ 44.0761, 58.1984,
53.2854

■ 55.1039, 63.6329,
65.1210

■ 39.7637, 56.0882,
47.9807

■ 61.8959, 66.9964,
71.6698

■ 36.1957, 54.3538,
43.0723

■ 69.5871, 70.8148,
78.6508

■ 33.3247, 52.9708,
38.5502

■ 78.2102, 75.1048,
86.0720

■ 31.0974, 51.9121,
34.4039

■ 81.6610, 76.7195,
93.6544

■ 29.4521, 51.1459,
30.6224

■ 83.1613, 77.3196,
101.5551

■ 28.3140, 50.6339,
27.1934

■ 83.8470, 77.5939,
105.1657

■ 27.8379, 50.4263,
25.4629

Harmonies

Analogous

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



51.4474, 60.7040, 48.6589



49.1746, 60.7040, 58.9944



49.0991, 60.7040, 72.7851

Triad

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



49.1746, 60.7040, 58.9944



59.9879, 60.7040, 95.6038



64.6813, 60.7040, 49.1966

Complementary

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



49.1746, 60.7040, 58.9944



50.3879, 44.3829, 52.9275

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.



67.2449, 60.7040, 59.8305



49.1746, 60.7040, 58.9944



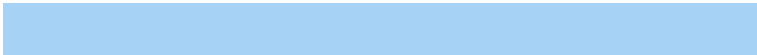
64.4340, 60.7040, 87.2694

Square

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



49.1746, 60.7040, 58.9944



55.1611, 60.7040, 95.2965



67.1520, 60.7040, 73.7465



60.3101, 60.7040, 43.5684

Rectangle

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



49.1746, 60.7040, 58.9944



50.2940, 60.7040, 82.2174



67.1520, 60.7040, 73.7465



65.7937, 60.7040, 52.2337

Sweetspot

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



49.1763, 60.7065, 58.9958



87.5108, 96.2606, 101.8959



51.8422, 62.4163, 43.9666



18.5983, 20.5380, 21.6838



0.0000, 0.0000, 0.0000



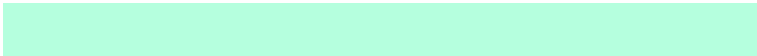
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1763, 60.7065, 58.9958



67.9471, 86.5975, 81.8977



51.6067, 60.9583, 74.0148



12.5438, 14.0085, 14.6782



16.5316, 29.8680, 15.3611



1.0386, 1.8181, 1.1451

Inverse Universe

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



50.3879, 44.3829, 52.9275



69.9806, 59.2107, 71.7204



48.3447, 44.0710, 40.6099



12.6547, 12.5134, 14.1221



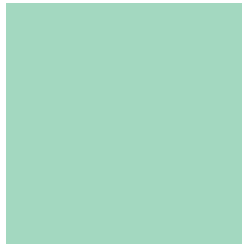
18.1147, 9.1822, 7.9078



1.1340, 0.5704, 0.6951

Previews

White Background



This preview shows how the XYZ color 49.1746, 60.7040, 58.9944 looks on a white background.

Color Contrast Check

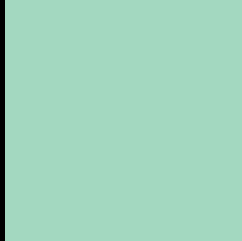
Large Text (above 18pt) WCAG AA × Fail

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 49.1746, 60.7040, 58.9944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

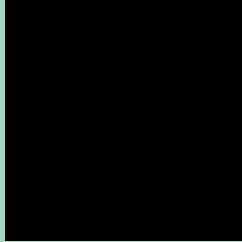
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1746, 60.7040, 58.9944

Background



This preview shows how black text looks on a background with the XYZ color 49.1746, 60.7040, 58.9944.



This preview shows how white text looks on a background with the XYZ color 49.1746, 60.7040,

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

49.1746, 60.7040, 58.9944

Protanopia

57.2643, 60.2117, 54.5028

Deuteranopia

61.2941, 60.0868, 60.5919



Tritanopia

53.8754, 60.7360, 82.2825

Trichromacy



Original Color

49.1746, 60.7040, 58.9944

Protanomaly

53.8811, 60.2119, 56.3592

Deuteranomaly

56.0718, 59.8224, 60.2213

Tritanomaly

51.9963, 60.7103, 73.2677

Monochromacy



Original Color

49.1746, 60.7040, 58.9944

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.4508, 57.4401, 60.0051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1746, 60.7040, 58.9944 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(163, 216, 192)` looks like.

```
.text, #text, p{  
    color:rgb(163, 216, 192)  
}
```

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(163, 216, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 216, 192) }
```

Border

The CSS property to change the border of an element to XYZ 49.1746, 60.7040, 58.9944 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(163, 216, 192) }
```


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

```
.border{ border-color:rgb(163, 216, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 216, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 216, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 216, 192);  
box-shadow:4px 4px 4px 4px rgb(163, 216,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1746, 60.7040, 58.9944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 216, 192) }
```

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

```
.background{ background-color: rgb(163,  
216, 192) }
```

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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