

Converting Colors

XYZ(48.7961, 56.9839, 51.0738)

Have a look what the booklet for
XYZ(48.7961, 56.9839, 51.0738)
contains.

XYZ(48.7984, 56.9810, 51.0743)	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(48.7984, 56.9810,
51.0743)**

Conversions

Conversions Part 1

Format	Color
Hex	B3CEB3
RGB	179, 206, 179
RGB Percent	70%, 81%, 70%
CMY	0.2980, 0.1921, 0.2980
CMYK	0.13, 0.00, 0.13, 0.19
HSL	120°, 22%, 75%
HSV	120°, 13%, 81%
XYZ	48.7984, 56.9810, 51.0743
YIQ	194.8490, -7.4250, -14.1210

Conversions

Conversions Part 2

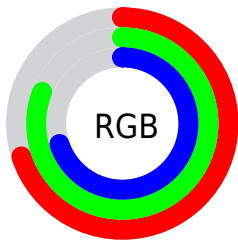
Format	Color
R _{YB}	179, 206, 206
Decimal	11783859
CIE _{Lab}	80.17, -14.15, 10.41
CIE _{LCh}	80, 17.570, 143.663
Yxy	56.9810, 0.3111, 0.3633
Android (android.graphics.Color)	4289973939 (0xFFB3CEB3)
YUV	194.8490, -7.8136, -13.8996
Hunter-Lab	75.4858, -16.7073, 12.7239

Details

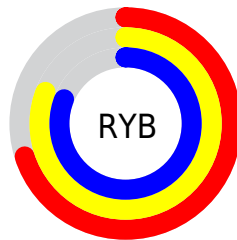
The XYZ color **48.7984, 56.9810, 51.0743** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.7163, 49.8196, 65.2329**, and the grayscale version is **51.8314, 54.5306, 59.3839**.

A 20% lighter version of the original color is **85.0163, 95.1803, 92.4881**, and **23.5983, 28.3985, 23.9763** is the 20% darker color. If you saturate the color by 10%, you get **42.4581, 53.9371, 40.7024**, and if you desaturate by 10%, it is **56.1644, 60.5210, 63.1214**.

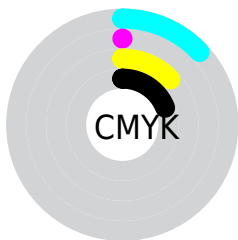
Distribution



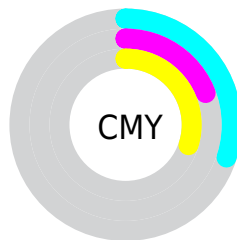
- Red (70%)
- Green (81%)
- Blue (70%)



- Red (70%)
- Yellow (81%)
- Blue (81%)



- Cyan (13%)
- Magenta (0%)
- Yellow (13%)
- Black (19%)



- Cyan (30%)
- Magenta (19%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7984, 56.9810, 51.0743 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 48.7984, 56.9810, 51.0743 by changing the saturation by 10% instead.

■ 48.7984, 56.9810,
51.0743

■ 48.7984, 56.9810,
51.0743

372.4783,
413.3781, 407.7072

■ 34.6735, 40.9900,
35.8906

■ 87.5945, 100.4375,
93.1772

■ 23.5768, 28.3113,
24.0607

112.9963,
128.6717, 120.9335

■ 15.1430, 18.5604,
15.1660

142.8879,
161.7558, 153.7178

■ 9.0068, 11.3531,
8.7881

177.6345,
200.0742, 191.9485

■ 4.8028, 6.3049,
4.5083

217.6014,
244.0112, 236.0443

■ 2.1656, 3.0313,
1.9081

263.1541,

■ 0.7245, 1.1481,

293.9513, 286.4236

0.4979

314.6580,
350.2788, 343.5051

■ 0.0000, 0.0187,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.7984, 56.9810,
51.0743

■ 48.7984, 56.9810,
51.0743

■ 42.4581, 53.9371,
40.7024

■ 56.1644, 60.5210,
63.1214

■ 37.0937, 51.3603,
31.9279

■ 64.5939, 64.5701,
76.9092

■ 32.6581, 49.2297,
24.6727

■ 74.1283, 69.1499,
92.5045

■ 29.0987, 47.5199,
18.8506

■ 81.3624, 72.6248,
104.3375

■ 26.3574, 46.2031,
14.3665

■ 24.3691, 45.2481,
11.1144

■ 23.0591, 44.6188,
8.9716

■ 22.3372, 44.2720,
7.7907

■ 22.0724, 44.1448,
7.3576

Harmonies

Analogous

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



51.4415, 56.9810, 45.6742



48.7984, 56.9810, 51.0743



47.5983, 56.9810, 59.8909

Triad

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



48.7984, 56.9810, 51.0743



53.4021, 56.9810, 83.7823



60.7146, 56.9810, 54.4586

Complementary

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



48.7984, 56.9810, 51.0743



52.7163, 49.8196, 65.2329

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.



61.2958, 56.9810, 64.2453



48.7984, 56.9810, 51.0743



56.9700, 56.9810, 81.9177

Square

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



48.7984, 56.9810, 51.0743



50.1797, 56.9810, 79.3253



59.8979, 56.9810, 74.4785



58.3428, 56.9810, 47.4723

Rectangle

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



48.7984, 56.9810, 51.0743



47.7387, 56.9810, 66.8189



59.8979, 56.9810, 74.4785



61.1300, 56.9810, 57.4995

Sweetspot

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



48.8000, 56.9834, 51.0756



89.7974, 97.4769, 100.3084



55.6641, 60.5220, 51.3966



19.0157, 20.7658, 21.1354



0.0000, 0.0000, 0.0000



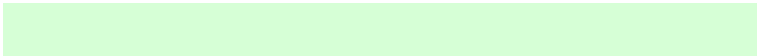
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8000, 56.9834, 51.0756



75.7132, 90.7116, 77.2713



50.2334, 57.5568, 58.6238



11.0681, 12.5370, 11.9160



13.5908, 27.1816, 4.5303



0.7011, 1.4023, 0.2337

Inverse Universe

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



52.7163, 49.8196, 65.2329



83.3871, 76.6744, 105.0119



51.1455, 49.1913, 56.9610



11.6876, 11.4038, 14.1555



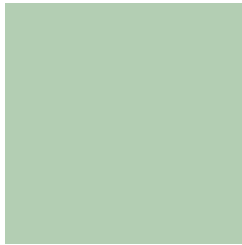
22.5333, 10.8239, 36.8567



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 48.7984, 56.9810, 51.0743 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 48.7984, 56.9810, 51.0743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

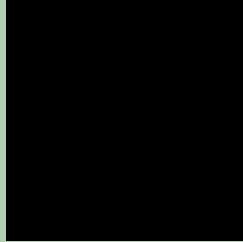
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7984, 56.9810, 51.0743

Background



This preview shows how black text looks on a background with the XYZ color 48.7984, 56.9810, 51.0743.



This preview shows how white text looks on a background with the XYZ color 48.7984, 56.9810,

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

48.7984, 56.9810, 51.0743

Protanopia

53.6641, 56.7487, 48.6826

Deuteranopia

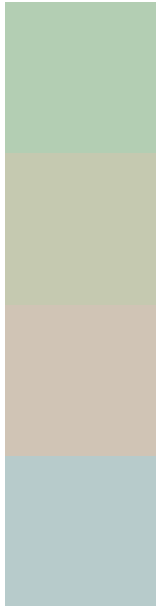
57.8148, 56.4863, 52.1117



Tritanopia

53.4186, 57.0973, 73.8511

Trichromacy



Original Color

48.7984, 56.9810, 51.0743

Protanomaly

51.7491, 56.7782, 49.3061

Deuteranomaly

54.0928, 56.2259, 51.7178

Tritanomaly

51.6639, 57.0909, 64.7966

Monochromacy



Original Color

48.7984, 56.9810, 51.0743

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.5950, 55.3398, 56.1591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7984, 56.9810, 51.0743 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(179, 206, 179)` looks like.

```
.text, #text, p{  
    color:rgb(179, 206, 179)  
}
```

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(179, 206, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 206, 179) }
```

Border

The CSS property to change the border of an element to XYZ 48.7984, 56.9810, 51.0743 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(179, 206, 179) }
```


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

```
.border{ border-color:rgb(179, 206, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 206, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 206, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 206, 179);  
box-shadow:4px 4px 4px 4px rgb(179, 206,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7984, 56.9810, 51.0743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 206, 179) }
```

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

```
.background{ background-color: rgb(179,  
206, 179) }
```

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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