

Converting Colors

XYZ(48.5230, 56.7916, 53.2042)

Have a look what the booklet for
XYZ(48.5230, 56.7916, 53.2042)
contains.

XYZ(48.5230, 56.7916, 53.2042)	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(48.5230, 56.7916,
53.2042)**

Conversions

Conversions Part 1

Format	Color
Hex	B0CEB7
RGB	176, 206, 183
RGB Percent	69%, 81%, 72%
CMY	0.3098, 0.1921, 0.2823
CMYK	0.15, 0.00, 0.11, 0.19
HSL	134°, 23%, 75%
HSV	134°, 15%, 81%
XYZ	48.5230, 56.7916, 53.2042
YIQ	194.4080, -10.4970, -13.5130

Conversions

Conversions Part 2

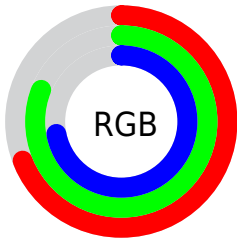
Format	Color
R _Y B	176, 200, 206
Decimal	11587255
CIE Lab	80.06, -14.45, 8.10
CIE LCh	80, 16.562, 150.735
Yxy	56.7916, 0.3061, 0.3583
Android (android.graphics.Color)	4289777335 (0xFFB0CEB7)
YUV	194.4080, -5.6241, -16.1438
Hunter-Lab	75.3602, -16.9476, 10.8935

Details

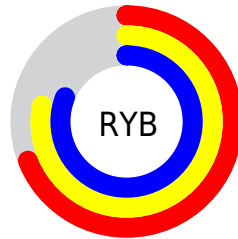
The XYZ color **48.5230, 56.7916, 53.2042** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.2897, 48.2973, 60.6543**, and the grayscale version is **51.5579, 54.2429, 59.0706**.

A 20% lighter version of the original color is **84.6187, 94.9078, 95.5205**, and **23.4259, 28.2791, 25.3428** is the 20% darker color. If you saturate the color by 10%, you get **42.6613, 53.9508, 44.8250**, and if you desaturate by 10%, it is **55.2792, 60.0754, 62.5906**.

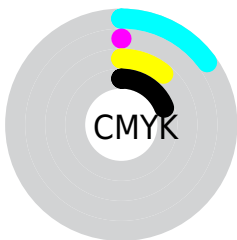
Distribution



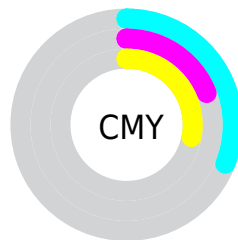
- Red (69%)
- Green (81%)
- Blue (72%)



- Red (69%)
- Yellow (78%)
- Blue (81%)



- Cyan (15%)
- Magenta (0%)
- Yellow (11%)
- Black (19%)





- Cyan (31%)
- Magenta (19%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5230, 56.7916, 53.2042 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 48.5230, 56.7916, 53.2042 by changing the saturation by 10% instead.


 48.5230, 56.7916,
53.2042

 48.5230, 56.7916,
53.2042


371.4096,
412.6679, 416.1566

 34.4542, 40.8379,
37.5770


 87.1876, 100.1610,
96.3494

 23.4073, 28.1925,
25.3552


112.5141,
128.3456, 124.7044

 15.0169, 18.4708,
16.1205


142.3239,
161.3760, 158.1391

 8.9176, 11.2885,
9.4542

176.9823,
199.6365, 197.0720

 4.7442, 6.2613,
4.9378

216.8548,
243.5115, 241.9216

 2.1312, 3.0046,
2.1527

262.3066,

 0.7061, 1.1341,

293.3855, 293.1066

0.6469

313.7031,
349.6429, 351.0454

■ 0.0000, 0.0069,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.5230, 56.7916,
53.2042

■ 48.5230, 56.7916,
53.2042

■ 42.6613, 53.9508,
44.8250

■ 55.2792, 60.0754,
62.5906

■ 37.6515, 51.5270,
37.4159

■ 62.9608, 63.8127,
73.0124

■ 33.4548, 49.5024,
30.9429

■ 71.6028, 68.0225,
84.5012

■ 30.0271, 47.8552,
25.3684

■ 79.9742, 72.0695,
97.0271

■ 27.3203, 46.5614,
20.6526

■ 81.3624, 72.6248,
104.3375

■ 25.2805, 45.5940,
16.7525

■ 23.8461, 44.9224,
13.6213

■ 22.9429, 44.5092,
11.2073

■ 22.6073, 44.3587,
10.1740

Harmonies

Analogous

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



50.7356, 56.7916, 47.2228



48.5230, 56.7916, 53.2042



47.7576, 56.7916, 62.0748

Triad

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



48.5230, 56.7916, 53.2042



54.0619, 56.7916, 82.3018



59.7398, 56.7916, 52.8320

Complementary

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



48.5230, 56.7916, 53.2042



51.2897, 48.2973, 60.6543

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.



60.7179, 56.7916, 61.5986



48.5230, 56.7916, 53.2042



57.3572, 56.7916, 79.1909

Square

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



48.5230, 56.7916, 53.2042



50.8738, 56.7916, 79.4720



59.8288, 56.7916, 71.3552



57.2074, 56.7916, 47.0242

Rectangle

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



48.5230, 56.7916, 53.2042



48.1448, 56.7916, 68.6395



59.8288, 56.7916, 71.3552



60.2659, 56.7916, 55.4984

Sweetspot

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



48.5246, 56.7940, 53.2055



90.1627, 97.6230, 102.2324



53.5961, 59.4906, 49.7329



19.1077, 20.8026, 21.6202



0.0000, 0.0000, 0.0000



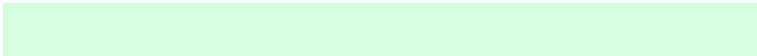
20.3446, 21.4041, 23.3091

Same Dimension

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



48.5246, 56.7940, 53.2055



75.9639, 90.7264, 82.4501



50.1130, 57.4294, 61.5701



11.1735, 12.5792, 12.4712



13.9516, 27.3260, 6.4303



0.7500, 1.4218, 0.4912

Inverse Universe

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



51.2897, 48.2973, 60.6543



81.1600, 74.7577, 96.4466



49.6849, 47.6554, 52.2036



11.5712, 11.3572, 13.5427



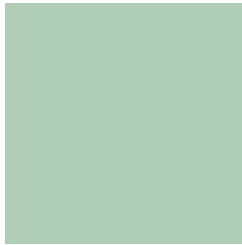
19.5093, 9.6143, 20.9324



1.0344, 0.5072, 1.2270

Previews

White Background



This preview shows how the XYZ color 48.5230, 56.7916, 53.2042 looks on a white background.

Color Contrast Check

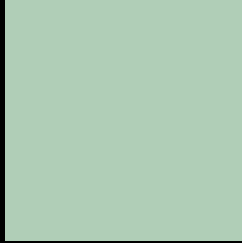
Large Text (above 18pt) WCAG AA × Fail

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 48.5230, 56.7916, 53.2042 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 48.5230, 56.7916, 53.2042

Background



This preview shows how black text looks on a background with the XYZ color 48.5230, 56.7916, 53.2042.



This preview shows how white text looks on a background with the XYZ color 48.5230, 56.7916,

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

48.5230, 56.7916, 53.2042

Protanopia

53.5565, 56.3090, 50.6938

Deuteranopia

57.6179, 56.3364, 54.2916



Tritanopia

52.7024, 56.7281, 73.8175

Trichromacy



Original Color

48.5230, 56.7916, 53.2042

Protanomaly

51.3982, 56.2059, 51.3199

Deuteranomaly

53.6737, 55.9618, 53.8717

Tritanomaly

51.1978, 56.8229, 66.0271

Monochromacy



Original Color

48.5230, 56.7916, 53.2042

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.9819, 54.6707, 56.6334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5230, 56.7916, 53.2042 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(176, 206, 183)` looks like.

```
.text, #text, p{  
    color:rgb(176, 206, 183)  
}
```

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(176, 206, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 206, 183) }
```

Border

The CSS property to change the border of an element to XYZ 48.5230, 56.7916, 53.2042 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(176, 206, 183) }
```


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

```
.border{ border-color:rgb(176, 206, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 206, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 206, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 206, 183);  
box-shadow:4px 4px 4px 4px rgb(176, 206,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5230, 56.7916, 53.2042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 206, 183) }
```

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

```
.background{ background-color: rgb(176,  
206, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor