

Converting Colors

XYZ(46.3164, 54.8274, 58.3327)

Have a look what the booklet for
XYZ(46.3164, 54.8274, 58.3327)
contains.

XYZ(46.3228, 54.8225, 58.5924)	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(46.3228, 54.8225,
58.5924)**

Conversions

Conversions Part 1

Format	Color
Hex	A3CCC1
RGB	163, 204, 193
RGB Percent	64%, 80%, 76%
CMY	0.3608, 0.2000, 0.2431
CMYK	0.20, 0.00, 0.05, 0.20
HSL	164°, 29%, 72%
HSV	164°, 20%, 80%
XYZ	46.3228, 54.8225, 58.5924
YIQ	190.4870, -20.9050, -12.1130

Conversions

Conversions Part 2

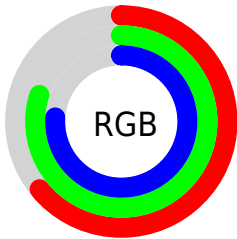
Format	Color
R _{YB}	163, 187, 204
Decimal	10734785
CIE Lab	78.94, -15.74, 1.01
CIE LCh	79, 15.772, 176.322
Yxy	54.8225, 0.2900, 0.3432
Android (android.graphics.Color)	4288924865 (0xFFA3CCC1)
YUV	190.4870, 1.2389, -24.1061
Hunter-Lab	74.0422, -17.8995, 4.9111

Details

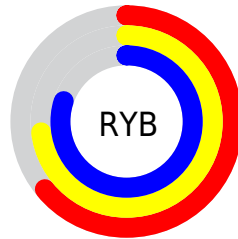
The XYZ color **46.3228, 54.8225, 58.5924** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.6410, 42.0893, 45.7654**, and the grayscale version is **49.2274, 51.7910, 56.4004**.

A 20% lighter version of the original color is **81.7723, 93.2650, 103.3146**, and **22.1955, 27.0856, 28.8692** is the 20% darker color. If you saturate the color by 10%, you get **41.8789, 52.6023, 55.2561**, and if you desaturate by 10%, it is **51.4662, 57.4036, 62.0817**.

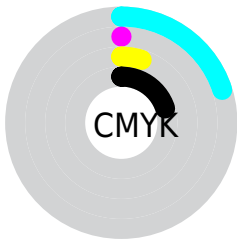
Distribution



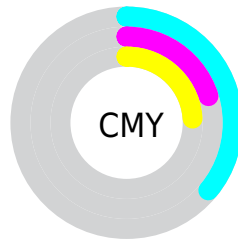
- Red (64%)
- Green (80%)
- Blue (76%)



- Red (64%)
- Yellow (73%)
- Blue (80%)



- Cyan (20%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)





- Cyan (36%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3228, 54.8225, 58.5924 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 46.3228, 54.8225, 58.5924 by changing the saturation by 10% instead.


 46.3228, 54.8225,
58.5924


 46.3228, 54.8225,
58.5924


362.7991,
405.2387, 437.0495

 32.7063, 39.2596,
41.8672


 83.9268, 97.2808,
104.3083

 22.0597, 26.9618,
28.6726


 108.6450,
124.9451, 134.1361

 14.0176, 17.5445,
18.5898


137.7946,
157.4119, 169.1686

 8.2147, 10.6235,
11.2005

171.7407,
195.0658, 209.8243

 4.2856, 5.8143,
6.0860

210.8489,
238.2910, 256.5216

 1.8649, 2.7325,
2.8278

255.4845,

 0.5563, 0.9937,

287.4719, 309.6793

1.0074

306.0128,
342.9931, 369.7157

■ 0.0000, 0.0000,
0.0000

■ 46.3228, 54.8225,
58.5924

■ 46.3228, 54.8225,
58.5924

■ 41.8789, 52.6023,
55.2561

■ 51.4662, 57.4036,
62.0817

■ 38.0974, 50.7196,
52.0665

■ 57.3348, 60.3545,
65.7231

■ 34.9446, 49.1584,
49.0218

■ 63.9587, 63.6920,
69.5203

■ 32.3822, 47.8990,
46.1189

■ 71.3647, 67.4301,
73.4758

■ 30.3673, 46.9194,
43.3544

■ 75.8016, 69.6348,
77.4152

■ 28.8512, 46.1944,
40.7249

■ 76.5404, 69.9303,
81.3056

■ 27.7761, 45.6944,
38.2261

■ 77.3032, 70.2354,
85.3223

■ 27.0395, 45.3660,
35.8744

■ 78.0901, 70.5502,
89.4665

■ 78.9015, 70.8748,
93.7392

Harmonies

Analogous

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



47.2524, 54.8225, 50.6261



46.3228, 54.8225, 58.5924



46.8912, 54.8225, 67.6753

Triad

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



46.3228, 54.8225, 58.5924



54.8247, 54.8225, 76.5327



55.5201, 54.8225, 46.4537

Complementary

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



46.3228, 54.8225, 58.5924



45.6410, 42.0893, 45.7654

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.



57.6962, 54.8225, 52.3633



46.3228, 54.8225, 58.5924



57.2835, 54.8225, 69.7811

Square

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



46.3228, 54.8225, 58.5924



51.7216, 54.8225, 78.6210



58.3540, 54.8225, 60.8060



52.4946, 54.8225, 44.0754

Rectangle

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



46.3228, 54.8225, 58.5924



48.0560, 54.8225, 73.0619



58.3540, 54.8225, 60.8060



56.3798, 54.8225, 48.0622

Sweetspot

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



46.3244, 54.8248, 58.5936



88.9893, 96.9512, 105.2027



45.7988, 54.9021, 42.8347



18.9120, 20.6835, 22.4328



0.0000, 0.0000, 0.0000



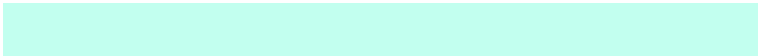
20.3446, 21.4041, 23.3091

Same Dimension

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



46.3244, 54.8248, 58.5936



73.4744, 89.1699, 94.6733



45.5464, 51.2308, 64.6173



11.4098, 12.6737, 13.7153



17.0587, 28.5688, 22.7920



0.9106, 1.4860, 1.3366

Inverse Universe

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



45.6410, 42.0893, 45.7654



72.1479, 64.4189, 69.7498



46.2448, 44.9440, 40.8891



11.3339, 11.2623, 12.2930



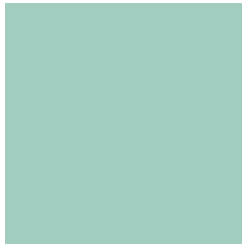
16.1372, 8.2655, 3.1751



0.8648, 0.4393, 0.3340

Previews

White Background



This preview shows how the XYZ color 46.3228, 54.8225, 58.5924 looks on a white background.

Color Contrast Check

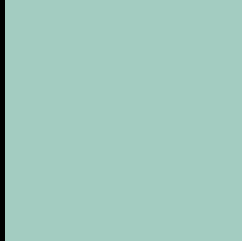
Large Text (above 18pt) WCAG AA × Fail

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 46.3228, 54.8225, 58.5924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

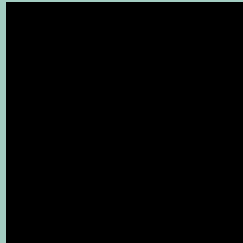
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3228, 54.8225, 58.5924

Background



This preview shows how black text looks on a background with the XYZ color 46.3228, 54.8225, 58.5924.

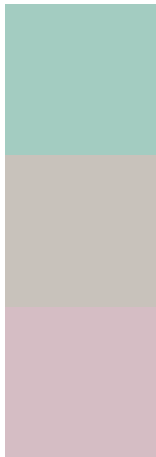


This preview shows how white text looks on a background with the XYZ color 46.3228, 54.8225,

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

46.3228, 54.8225, 58.5924

Protanopia

52.0808, 54.4508, 54.7788

Deuteranopia

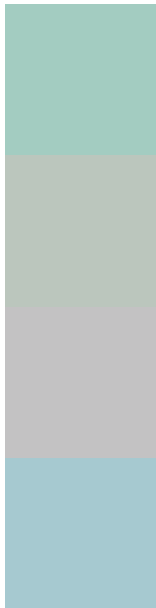
55.6020, 54.5268, 59.8187



Tritanopia

49.1974, 54.5913, 72.9099

Trichromacy



Original Color

46.3228, 54.8225, 58.5924

Protanomaly

49.8729, 54.6271, 56.0596

Deuteranomaly

51.6478, 54.1258, 59.3550

Tritanomaly

47.9977, 54.4343, 67.6516

Monochromacy



Original Color

46.3228, 54.8225, 58.5924

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.7415, 52.4951, 56.9065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3228, 54.8225, 58.5924 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, 204, 193)` looks like.

```
.text, #text, p{  
    color:rgb(163, 204, 193)  
}
```

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, 204, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 204, 193) }
```

Border

The CSS property to change the border of an element to XYZ 46.3228, 54.8225, 58.5924 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, 204, 193) }
```


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

```
.border{ border-color:rgb(163, 204, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 204, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 204, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 204, 193);  
box-shadow:4px 4px 4px 4px rgb(163, 204,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3228, 54.8225, 58.5924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 204, 193) }
```

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

```
.background{ background-color: rgb(163,  
204, 193) }
```

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