

Converting Colors

XYZ(46.8640, 56.0489, 54.6834)

Have a look what the booklet for
XYZ(46.8640, 56.0489, 54.6834)
contains.

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Color

**XYZ(46.8706, 55.9033,
54.7744)**

Conversions

Conversions Part 1

Format	Color
Hex	A7CEBA
RGB	167, 206, 186
RGB Percent	65%, 81%, 73%
CMY	0.3451, 0.1921, 0.2706
CMYK	0.19, 0.00, 0.10, 0.19
HSL	149°, 28%, 73%
HSV	149°, 19%, 81%
XYZ	46.8706, 55.9033, 54.7744
YIQ	192.0590, -16.8240, -14.4880

Conversions

Conversions Part 2

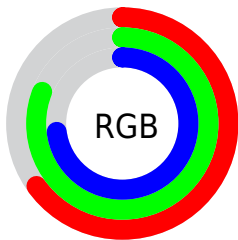
Format	Color
RYB	167, 193, 206
Decimal	10997434
CIELab	79.56, -16.87, 5.69
CIELCh	80, 17.802, 161.348
Yxy	55.9033, 0.2975, 0.3548
Android (android.graphics.Color)	4289187514 (0xFFA7CEBA)
YUV	192.0590, -2.9871, -21.9767
Hunter-Lab	74.7685, -18.9475, 8.9029

Details

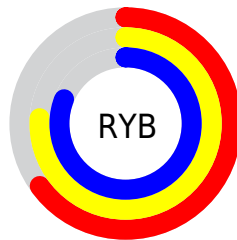
The XYZ color **46.8706, 55.9033, 54.7744** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.2440, 44.3485, 53.0337**, and the grayscale version is **50.1626, 52.7749, 57.4719**.

A 20% lighter version of the original color is **82.2184, 93.6188, 97.7413**, and **22.4013, 27.7273, 26.3615** is the 20% darker color. If you saturate the color by 10%, you get **41.7787, 53.4049, 48.8887**, and if you desaturate by 10%, it is **52.7420, 58.7970, 61.1325**.

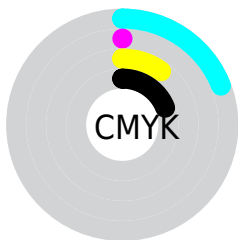
Distribution



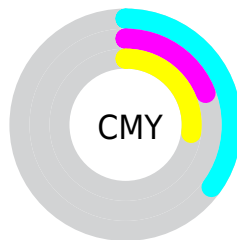
- Red (65%)
- Green (81%)
- Blue (73%)



- Red (65%)
- Yellow (76%)
- Blue (81%)



- Cyan (19%)
- Magenta (0%)
- Yellow (10%)
- Black (19%)





- Cyan (35%)
- Magenta (19%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8706, 55.9033, 54.7744 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 46.8706, 55.9033, 54.7744 by changing the saturation by 10% instead.


 46.8706, 55.9033,
54.7744


 46.8706, 55.9033,
54.7744


364.9553,
409.3270, 422.3140

 33.1409, 40.1254,
38.8237


 84.7404, 98.8632,
98.6782

 22.3941, 27.6363,
26.3159


 109.6111,
126.8139, 127.4684

 14.2650, 18.0517,
16.8322


138.9263,
159.5911, 161.3755

 8.3882, 10.9871,
9.9542

173.0512,
197.5791, 200.8181

 4.3982, 6.0582,
5.2634

212.3512,
241.1623, 246.2147

 1.9298, 2.8805,
2.3412

257.1916,

 0.5941, 1.0697,

290.7251, 297.9839

0.7542

307.9379,
346.6518, 356.5441

■ 0.0000, 0.0000,
0.0000

■ 46.8706, 55.9033,
54.7744

■ 46.8706, 55.9033,
54.7744

■ 41.7787, 53.4049,
48.8887

■ 52.7420, 58.7970,
61.1325

■ 37.4270, 51.2772,
43.4608

■ 59.4204, 62.0955,
67.9698

■ 33.7799, 49.5034,
38.4804

■ 66.9379, 65.8165,
75.2977

■ 30.7967, 48.0631,
33.9358

■ 75.3233, 69.9747,
83.1261

■ 28.4325, 46.9330,
29.8145

■ 78.8668, 71.6265,
91.1961

■ 26.6363, 46.0873,
26.1032

■ 80.4725, 72.2688,
99.6516

■ 25.3483, 45.4954,
22.7880

■ 81.3624, 72.6247,
104.3375

■ 24.4725, 45.1080,
19.8526

■ 24.3898, 45.0717,
19.5606

Harmonies

Analogous

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



48.7119, 55.9033, 47.2262



46.8706, 55.9033, 54.7744



46.6620, 55.9033, 64.8345

Triad

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



46.8706, 55.9033, 54.7744



54.5015, 55.9033, 82.3356



58.4759, 55.9033, 48.7430

Complementary

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



46.8706, 55.9033, 54.7744



48.2440, 44.3485, 53.0337

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.



60.1793, 55.9033, 57.0690



46.8706, 55.9033, 54.7744



57.8168, 55.9033, 76.9151

Square

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



46.8706, 55.9033, 54.7744



50.9613, 55.9033, 81.5424



59.9328, 55.9033, 67.4001



55.3684, 55.9033, 44.0235

Rectangle

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



46.8706, 55.9033, 54.7744



47.4652, 55.9033, 71.7213



59.9328, 55.9033, 67.4001



59.2379, 55.9033, 51.1710

Sweetspot

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



46.8722, 55.9056, 54.7756



88.4056, 96.7177, 102.1286



49.5786, 57.5189, 45.0492



18.7740, 20.6283, 21.7057



0.0000, 0.0000, 0.0000



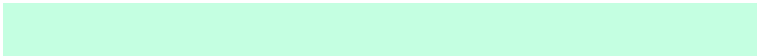
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8722, 55.9056, 54.7756



72.1959, 88.7347, 84.4999



49.0714, 56.7853, 66.3565



11.2920, 12.6265, 13.0948



15.0664, 27.7719, 12.3007



0.8156, 1.4480, 0.8363

Inverse Universe

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



48.2440, 44.3485, 53.0337



74.8454, 66.4125, 81.1348



46.3093, 43.5747, 42.8459



11.4485, 11.3081, 12.8962



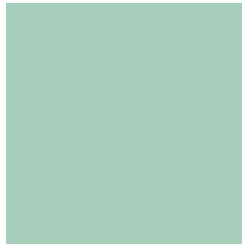
17.3135, 8.7360, 9.3694



0.9315, 0.4660, 0.6849

Previews

White Background



This preview shows how the XYZ color 46.8706, 55.9033, 54.7744 looks on a white background.

Color Contrast Check

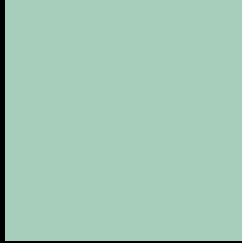
Large Text (above 18pt) WCAG AA × Fail

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 46.8706, 55.9033, 54.7744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

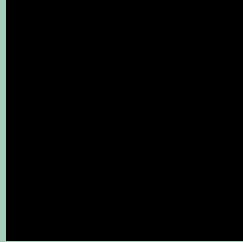
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8706, 55.9033, 54.7744

Background



This preview shows how black text looks on a background with the XYZ color 46.8706, 55.9033, 54.7744.



This preview shows how white text looks on a background with the XYZ color 46.8706, 55.9033,

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

46.8706, 55.9033, 54.7744

Protanopia

52.9823, 55.6534, 51.6658

Deuteranopia

56.5122, 55.4065, 55.8601



Tritanopia

50.6446, 55.6673, 73.7212

Trichromacy



Original Color

46.8706, 55.9033, 54.7744

Protanomaly

50.6874, 55.8038, 52.8994

Deuteranomaly

52.3702, 55.2528, 55.4816

Tritanomaly

49.2911, 55.8260, 66.5701

Monochromacy



Original Color

46.8706, 55.9033, 54.7744

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.7890, 53.7175, 56.5123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8706, 55.9033, 54.7744 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(167, 206, 186)` looks like.

```
.text, #text, p{  
    color:rgb(167, 206, 186)  
}
```

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(167, 206, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 206, 186) }
```

Border

The CSS property to change the border of an element to XYZ 46.8706, 55.9033, 54.7744 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(167, 206, 186) }
```


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

```
.border{ border-color:rgb(167, 206, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 206, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 206, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 206, 186);  
box-shadow:4px 4px 4px 4px rgb(167, 206,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8706, 55.9033, 54.7744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 206, 186) }
```

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

```
.background{ background-color: rgb(167,  
206, 186) }
```

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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