

Converting Colors

XYZ(46.6238, 53.2460, 58.2639)

Have a look what the booklet for
XYZ(46.6238, 53.2460, 58.2639)
contains.

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Color

**XYZ(46.6266, 53.2432,
58.2715)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC7C1
RGB	170, 199, 193
RGB Percent	67%, 78%, 76%
CMY	0.3333, 0.2196, 0.2431
CMYK	0.15, 0.00, 0.03, 0.22
HSL	168°, 21%, 72%
HSV	168°, 15%, 78%
XYZ	46.6266, 53.2432, 58.2715
YIQ	189.6450, -15.3580, -8.0140

Conversions

Conversions Part 2

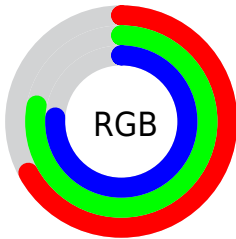
Format	Color
RYB	170, 186, 199
Decimal	11192257
CIELab	78.02, -10.91, -0.28
CIELCh	78, 10.917, 181.459
Yxy	53.2432, 0.2948, 0.3367
Android (android.graphics.Color)	4289382337 (0xFFAAC7C1)
YUV	189.6450, 1.6540, -17.2287
Hunter-Lab	72.9679, -13.6322, 3.7291

Details

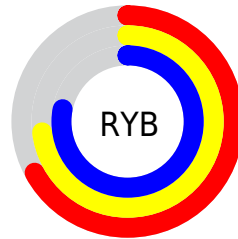
The XYZ color **46.6266, 53.2432, 58.2715** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.7663, 44.0275, 47.1627**, and the grayscale version is **48.7378, 51.2759, 55.8395**.

A 20% lighter version of the original color is **84.2229, 94.5283, 103.4293**, and **22.3302, 25.9958, 28.6517** is the 20% darker color. If you saturate the color by 10%, you get **42.1933, 51.0115, 55.6995**, and if you desaturate by 10%, it is **51.7270, 55.8202, 60.9437**.

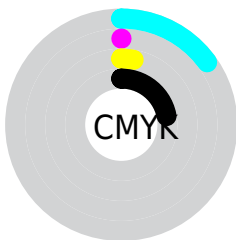
Distribution



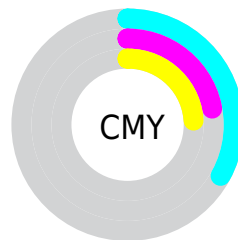
- Red (67%)
- Green (78%)
- Blue (76%)



- Red (67%)
- Yellow (73%)
- Blue (78%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (22%)



- Cyan (33%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6266, 53.2432, 58.2715 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 46.6266, 53.2432, 58.2715 by changing the saturation by 10% instead.

■ 46.6266, 53.2432,
58.2715

■ 46.6266, 53.2432,
58.2715

363.9959,
399.2175, 435.8233

■ 32.9473, 37.9970,
41.6108

■ 84.3781, 94.9621,
103.8368

■ 22.2451, 25.9803,
28.4734

109.1810,
122.2036, 133.5785

■ 14.1547, 16.8089,
18.4407

138.4225,
154.2123, 168.5176

■ 8.3108, 10.0983,
11.0941

172.4679,
191.3726, 209.0727

■ 4.3479, 5.4642,
6.0152

211.6826,
234.0688, 255.6622

■ 1.9008, 2.5221,
2.7854

256.4319,

■ 0.5773, 0.8877,

282.6855, 308.7048

0.9861

307.0813,
337.6069, 368.6190

■ 0.0000, 0.0000,
0.0000

■ 46.6266, 53.2432,
58.2715

■ 46.6266, 53.2432,
58.2715

■ 42.1933, 51.0115,
55.6995

■ 51.7270, 55.8202,
60.9437

■ 38.3931, 49.1034,
53.2224

■ 57.5174, 58.7499,
63.7145

■ 35.1963, 47.5048,
50.8392

■ 64.0251, 62.0479,
66.5867

■ 32.5684, 46.1981,
48.5478

■ 71.2746, 65.7268,
69.5620

■ 30.4719, 45.1638,
46.3460

■ 73.7506, 66.9433,
72.3828

■ 28.8642, 44.3802,
44.2311

■ 74.2821, 67.1560,
75.1820

■ 27.6965, 43.8220,
42.2003

■ 74.8271, 67.3740,
78.0518

■ 26.9092, 43.4585,
40.2502

■ 75.3856, 67.5973,
80.9926

■ 26.5800, 43.3111,
39.2228

■ 75.9576, 67.8262,
84.0049

Harmonies

Analogous

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



47.0975, 53.2432, 52.5545



46.6266, 53.2432, 58.2715



47.1969, 53.2432, 64.3031

Triad

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



46.6266, 53.2432, 58.2715



52.7707, 53.2432, 68.5493



52.5854, 53.2432, 48.2798

Complementary

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



46.6266, 53.2432, 58.2715



45.7663, 44.0275, 47.1627

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.



54.1756, 53.2432, 52.0722



46.6266, 53.2432, 58.2715



54.2846, 53.2432, 63.7513

Square

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



46.6266, 53.2432, 58.2715



50.7103, 53.2432, 70.4882



54.8057, 53.2432, 57.6751



50.5020, 53.2432, 47.0341

Rectangle

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



46.6266, 53.2432, 58.2715



48.1003, 53.2432, 67.6255



54.8057, 53.2432, 57.6751



53.1974, 53.2432, 49.2853

Sweetspot

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



46.6281, 53.2454, 58.2727



91.0583, 97.9813, 106.9486



45.6494, 53.0146, 45.8578



19.3344, 20.8932, 22.8135



0.0000, 0.0000, 0.0000



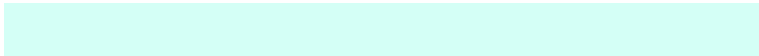
20.3446, 21.4041, 23.3091

Same Dimension

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



46.6281, 53.2454, 58.2727



79.4493, 92.1206, 100.8044



45.4716, 49.8387, 61.2588



10.8490, 12.0285, 13.1551



17.1232, 27.8617, 25.3910



0.8352, 1.3290, 1.3307

Inverse Universe

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



45.7663, 44.0275, 47.1627



77.6970, 73.3725, 78.2106



46.7742, 46.9731, 44.6324



10.7222, 10.6723, 11.5203



15.4308, 7.9219, 2.2125



0.7576, 0.3859, 0.2467

Previews

White Background



This preview shows how the XYZ color 46.6266, 53.2432, 58.2715 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 46.6266, 53.2432, 58.2715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

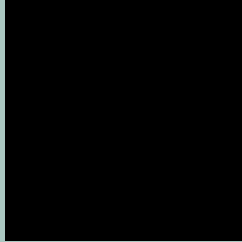
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6266, 53.2432, 58.2715

Background



This preview shows how black text looks on a background with the XYZ color 46.6266, 53.2432, 58.2715.



This preview shows how white text looks on a background with the XYZ color 46.6266, 53.2432, 58.2715.

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

46.6266, 53.2432, 58.2715

Protanopia

51.0609, 53.2437, 55.7300

Deuteranopia

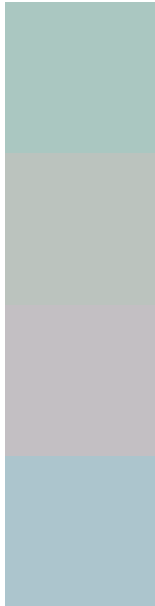
54.3125, 53.2278, 59.6360



Tritanopia

48.8572, 53.1176, 69.9650

Trichromacy



Original Color

46.6266, 53.2432, 58.2715

Protanomaly

49.3029, 53.3127, 56.4070

Deuteranomaly

50.9868, 52.8038, 59.1346

Tritanomaly

47.9990, 53.1109, 65.4792

Monochromacy



Original Color

46.6266, 53.2432, 58.2715

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.0024, 51.9688, 56.7912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6266, 53.2432, 58.2715 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(170, 199, 193)` looks like.

```
.text, #text, p{  
    color:rgb(170, 199, 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(170, 199, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 199, 193) }
```

Border

The CSS property to change the border of an element to XYZ 46.6266, 53.2432, 58.2715 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(170, 199, 193) }
```


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

```
.border{ border-color:rgb(170, 199, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 199, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 199, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 199, 193);  
box-shadow:4px 4px 4px 4px rgb(170, 199,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6266, 53.2432, 58.2715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 199, 193) }
```

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

```
.background{ background-color: rgb(170,  
199, 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](#).

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