

Converting Colors

XYZ(45.8988, 50.8635, 56.9760)

Have a look what the booklet for
XYZ(45.8988, 50.8635, 56.9760)
contains.

XYZ(45.9295, 50.9002, 56.6942)	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(45.9295, 50.9002,
56.6942)**

Conversions

Conversions Part 1

Format	Color
Hex	AEC1BF
RGB	174, 193, 191
RGB Percent	68%, 76%, 75%
CMY	0.3176, 0.2431, 0.2510
CMYK	0.10, 0.00, 0.01, 0.24
HSL	174°, 13%, 72%
HSV	174°, 10%, 76%
XYZ	45.9295, 50.9002, 56.6942
YIQ	187.0910, -10.6820, -4.6500

Conversions

Conversions Part 2

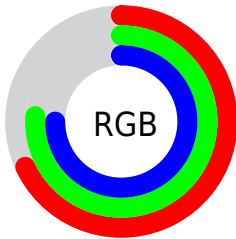
Format	Color
RYB	174, 184, 193
Decimal	11452863
CIELab	76.62, -6.85, -1.21
CIELCh	77, 6.961, 190.034
Yxy	50.9002, 0.2992, 0.3315
Android (android.graphics.Color)	4289642943 (0xFFAEC1BF)
YUV	187.0910, 1.9271, -11.4808
Hunter-Lab	71.3444, -9.9394, 2.8259

Details

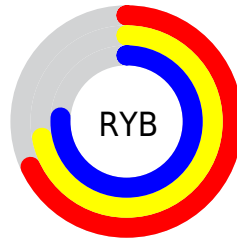
The XYZ color **45.9295, 50.9002, 56.6942** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.9667, 44.7455, 47.3434**, and the grayscale version is **47.2804, 49.7427, 54.1698**.

A 20% lighter version of the original color is **83.2973, 91.2898, 101.2261**, and **21.7052, 24.3652, 27.6037** is the 20% darker color. If you saturate the color by 10%, you get **41.7129, 48.7536, 55.3372**, and if you desaturate by 10%, it is **50.7699, 53.3709, 58.0987**.

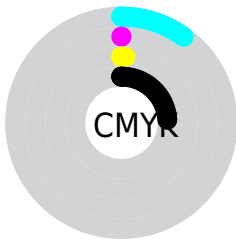
Distribution



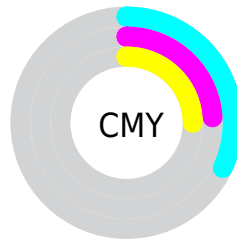
- Red (68%)
- Green (76%)
- Blue (75%)



- Red (68%)
- Yellow (72%)
- Blue (76%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)



- Cyan (32%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9295, 50.9002, 56.6942 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 45.9295, 50.9002, 56.6942 by changing the saturation by 10% instead.

■ 45.9295, 50.9002,
56.6942

■ 45.9295, 50.9002,
56.6942

361.2458,
390.1759, 429.7640

■ 32.3946, 36.1292,
40.3521

■ 83.3420, 91.5072,
101.5147

■ 21.8201, 24.5340,
27.4973

107.9503,
118.1120, 130.8302

■ 13.8406, 15.7302,
17.7113

136.9804,
149.4303, 165.3072

■ 8.0908, 9.3334,
10.5756

170.7977,
185.8462, 205.3643

■ 4.2054, 4.9593,
5.6717

209.7675,
227.7444, 251.4200

■ 1.8190, 2.2234,
2.5810

254.2552,

■ 0.5291, 0.7327,

275.5091, 303.8928

0.8826

304.6262,
329.5248, 363.2013

■ 0.0000, 0.0000,
0.0000

■ 45.9295, 50.9002,
56.6942

■ 45.9295, 50.9002,
56.6942

■ 41.7129, 48.7536,
55.3372

■ 50.7699, 53.3709,
58.0987

■ 38.0896, 46.9110,
54.0232

■ 56.2546, 56.1719,
59.5486

■ 35.0330, 45.3602,
52.7517

■ 62.4081, 59.3174,
61.0462

■ 32.5125, 44.0855,
51.5214

■ 69.2528, 62.8188,
62.5925

■ 30.4950, 43.0697,
50.3306

■ 70.8739, 63.6270,
63.9109

■ 28.9434, 42.2938,
49.1775

■ 71.1151, 63.7235,
65.1812

■ 27.8158, 41.7360,
48.0601

■ 71.3596, 63.8213,
66.4683

■ 27.0624, 41.3708,
46.9760

■ 71.6072, 63.9203,
67.7722

■ 26.5877, 41.1490,
45.9206

■ 71.8580, 64.0207,
69.0931

Harmonies

Analogous

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



46.0391, 50.9002, 52.9834



45.9295, 50.9002, 56.6942



46.4671, 50.9002, 60.2160

Triad

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



45.9295, 50.9002, 56.6942



50.0254, 50.9002, 61.1586



49.2485, 50.9002, 48.8844

Complementary

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



45.9295, 50.9002, 56.6942



44.9667, 44.7455, 47.3434

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.



50.3429, 50.9002, 50.8888



45.9295, 50.9002, 56.6942



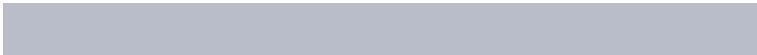
50.7971, 50.9002, 57.9337

Square

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



45.9295, 50.9002, 56.6942



48.8214, 50.9002, 62.8698



50.9143, 50.9002, 54.1683



47.9395, 50.9002, 48.5863

Rectangle

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



45.9295, 50.9002, 56.6942



47.1260, 50.9002, 61.9411



50.9143, 50.9002, 54.1683



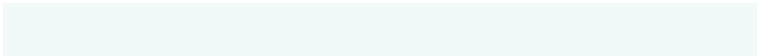
49.6543, 50.9002, 49.3765

Sweetspot

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



45.9310, 50.9023, 56.6953



88.0270, 94.1041, 103.2367



44.6650, 50.4535, 47.4296



18.7313, 20.1102, 22.1038



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



45.9310, 50.9023, 56.6953



80.3914, 90.2103, 100.9601



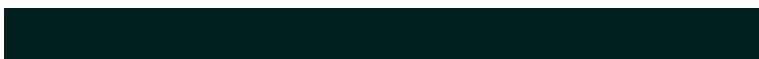
44.5820, 47.8492, 57.3407



10.3213, 11.4096, 12.6953



17.6962, 27.3726, 30.6231



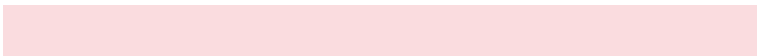
0.7780, 1.1880, 1.3937

Inverse Universe

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



44.9667, 44.7455, 47.3434



78.2877, 76.7774, 80.5568



46.2156, 47.5582, 46.7890



10.1154, 10.0948, 10.6982



14.7282, 7.5810, 1.2146



0.6512, 0.3335, 0.1304

Previews

White Background



This preview shows how the XYZ color 45.9295, 50.9002, 56.6942 looks on a white background.

Color Contrast Check

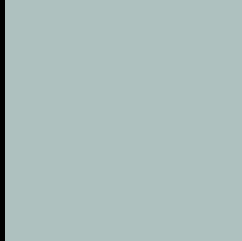
Large Text (above 18pt) WCAG AA × Fail

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 45.9295, 50.9002, 56.6942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

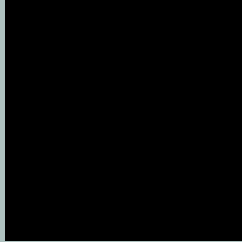
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

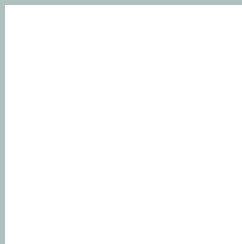
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9295, 50.9002, 56.6942

Background



This preview shows how black text looks on a background with the XYZ color 45.9295, 50.9002, 56.6942.

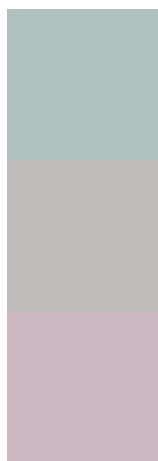


This preview shows how white text looks on a background with the XYZ color 45.9295, 50.9002,

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

45.9295, 50.9002, 56.6942

Protanopia

48.7985, 50.8037, 54.8111

Deuteranopia

51.7360, 50.6964, 57.5107



Tritanopia

47.9028, 51.0649, 65.7243

Trichromacy



Original Color

45.9295, 50.9002, 56.6942

Protanomaly

47.6063, 50.8153, 55.4433

Deuteranomaly

49.5329, 50.8158, 57.0669

Tritanomaly

47.2967, 51.1464, 62.6378

Monochromacy



Original Color

45.9295, 50.9002, 56.6942

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.5661, 49.9711, 54.7680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9295, 50.9002, 56.6942 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(174, 193, 191)` looks like.

```
.text, #text, p{  
    color:rgb(174, 193, 191)  
}
```

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(174, 193, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 193, 191) }
```

Border

The CSS property to change the border of an element to XYZ 45.9295, 50.9002, 56.6942 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(174, 193, 191) }
```


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

```
.border{ border-color:rgb(174, 193, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 193, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 193, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 193, 191);  
box-shadow:4px 4px 4px 4px rgb(174, 193,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9295, 50.9002, 56.6942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 193, 191) }
```

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

```
.background{ background-color: rgb(174,  
193, 191) }
```

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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