

Converting Colors

XYZ(45.9763, 48.8757, 62.8449)

Have a look what the booklet for
XYZ(45.9763, 48.8757, 62.8449)
contains.

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Color

**XYZ(45.8866, 48.8036,
62.8787)**

Conversions

Conversions Part 1

Format	Color
Hex	AEBBCA
RGB	174, 187, 202
RGB Percent	68%, 73%, 79%
CMY	0.3176, 0.2667, 0.2078
CMYK	0.14, 0.07, 0.00, 0.21
HSL	212°, 21%, 74%
HSV	212°, 14%, 79%
XYZ	45.8866, 48.8036, 62.8787
YIQ	184.8230, -12.5630, 1.9090

Conversions

Conversions Part 2

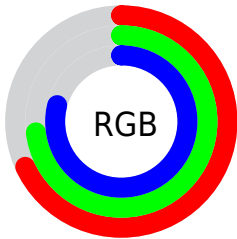
Format	Color
RYB	174, 183, 202
Decimal	11451338
CIELab	75.33, -1.42, -9.09
CIElCh	75, 9.196, 261.125
Yxy	48.8036, 0.2912, 0.3097
Android (android.graphics.Color)	4289641418 (0xFFAEBBCA)
YUV	184.8230, 8.4683, -9.4918
Hunter-Lab	69.8596, -5.0082, -4.4636

Details

The XYZ color **45.8866, 48.8036, 62.8787** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.1951, 52.0077, 47.4384**, and the grayscale version is **45.9764, 48.3707, 52.6757**.

A 20% lighter version of the original color is **82.7337, 88.1442, 107.2607**, and **21.7556, 23.2533, 31.3587** is the 20% darker color. If you saturate the color by 10%, you get **39.5111, 42.2379, 61.9482**, and if you desaturate by 10%, it is **53.1148, 56.0681, 63.9007**.

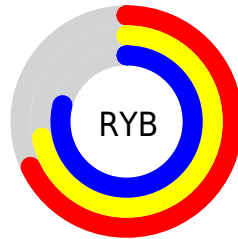
Distribution



Red (68%)

Green (73%)

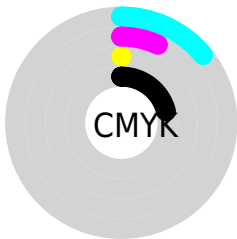
Blue (79%)



Red (68%)

Yellow (72%)

Blue (79%)

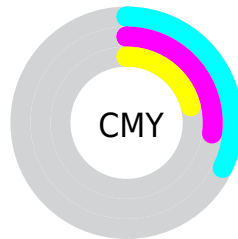


Cyan (14%)

Magenta (7%)

Yellow (0%)

Black (21%)



Cyan (32%)

Magenta (27%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8866, 48.8036, 62.8787 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 45.8866, 48.8036, 62.8787 by changing the saturation by 10% instead.

■ 45.8866, 48.8036,
62.8787

■ 45.8866, 48.8036,
62.8787

361.0761,
381.9686, 453.2250

■ 32.3606, 34.4637,
45.3027

■ 83.2782, 88.3997,
110.5784

■ 21.7940, 23.2501,
31.3512

107.8744,
114.4247, 141.5392

■ 13.8213, 14.7783,
20.6058

136.8915,
145.1135, 177.7986

■ 8.0774, 8.6639,
12.6477

170.6947,
180.8505, 219.7753

■ 4.1967, 4.5226,
7.0585

209.6494,
222.0201, 267.8877

■ 1.8140, 1.9700,
3.4197

254.1210,

■ 0.5261, 0.5900,

269.0068, 322.5544

1.3127

304.4748,
322.1948, 384.1940

■ 0.0000, 0.0000,
0.0722

■ 0.0000, 0.0000,
0.0000

■ 45.8866, 48.8036,
62.8787

■ 45.8866, 48.8036,
62.8787

■ 39.5111, 42.2379,
61.9482

■ 53.1148, 56.0681,
63.9007

■ 33.9500, 36.3420,
61.1033

■ 61.2231, 64.0474,
65.0135

■ 29.1684, 31.0932,
60.3422

■ 70.2433, 72.7641,
66.2206

■ 25.1271, 26.4653,
59.6619

■ 80.2039, 82.2383,
67.5243

■ 21.7831, 22.4300,
59.0592

■ 83.3866, 88.4959,
68.5644

■ 19.0886, 18.9559,
58.5307

■ 86.6870, 95.0967,
69.6645

■ 16.9888, 16.0080,
58.0724

■ 87.6608, 97.0443,
69.9891

■ 15.4182, 13.5455,
57.6798

■ 14.6461, 12.2348,
57.4675

Harmonies

Analogous

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



44.3758, 48.8036, 60.7216



45.8866, 48.8036, 62.8787



47.5679, 48.8036, 62.3052

Triad

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



45.8866, 48.8036, 62.8787



49.4854, 48.8036, 49.8535



43.9012, 48.8036, 47.5070

Complementary

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



45.8866, 48.8036, 62.8787



50.1951, 52.0077, 47.4384

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.



45.2246, 48.8036, 44.9187



45.8866, 48.8036, 62.8787



48.4568, 48.8036, 46.2152

Square

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



45.8866, 48.8036, 62.8787



49.6730, 48.8036, 54.5882



46.8897, 48.8036, 44.4606



43.2479, 48.8036, 51.7153

Rectangle

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



45.8866, 48.8036, 62.8787



48.5575, 48.8036, 60.4652



46.8897, 48.8036, 44.4606



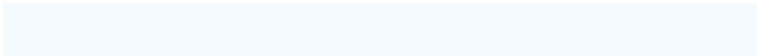
44.2809, 48.8036, 46.4295

Sweetspot

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



45.8880, 48.8056, 62.8798



89.6782, 94.6801, 108.1563



47.7551, 54.9119, 56.1892



18.9845, 20.0561, 23.1206



0.0000, 0.0000, 0.0000



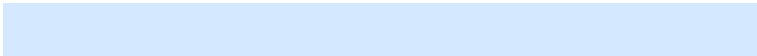
20.3446, 21.4041, 23.3091

Same Dimension

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



45.8880, 48.8056, 62.8798



73.8954, 78.7548, 105.9142



43.4620, 43.6437, 62.0113



11.0239, 11.6883, 14.2454



9.5118, 8.0475, 37.0083



0.5664, 0.5665, 1.9344

Inverse Universe

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



48.4640, 46.4177, 53.4212



79.2304, 73.9859, 86.2853



52.8667, 57.7247, 48.4011



11.4254, 11.2989, 12.7750



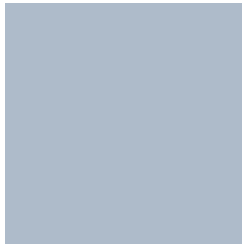
17.0120, 8.6154, 7.7818



0.9158, 0.4597, 0.6026

Previews

White Background



This preview shows how the XYZ color 45.8866, 48.8036, 62.8787 looks on a white background.

Color Contrast Check

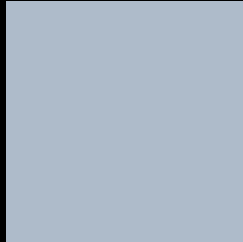
Large Text (above 18pt) WCAG AA × Fail

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 45.8866, 48.8036, 62.8787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

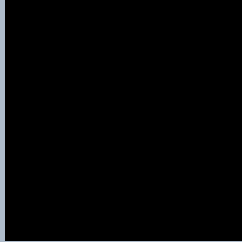
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8866, 48.8036, 62.8787

Background



This preview shows how black text looks on a background with the XYZ color 45.8866, 48.8036, 62.8787.

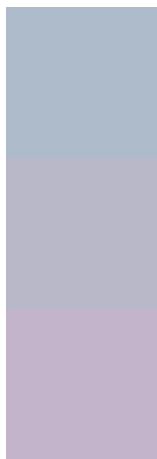


This preview shows how white text looks on a background with the XYZ color 45.8866, 48.8036,

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

45.8866, 48.8036, 62.8787

Protanopia

47.3330, 48.6415, 61.5376

Deuteranopia

49.6064, 48.5564, 63.2577



Tritanopia

45.8866, 48.8036, 62.8787

Trichromacy



Original Color

45.8866, 48.8036, 62.8787

Protanomaly

46.7140, 48.6183, 62.1805

Deuteranomaly

48.2065, 48.7436, 63.3676

Tritanomaly

45.8866, 48.8036, 62.8787

Monochromacy



Original Color

45.8866, 48.8036, 62.8787

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.0189, 48.7032, 56.2654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8866, 48.8036, 62.8787 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, 187, 202)` looks like.

```
.text, #text, p{  
    color:rgb(174, 187, 202)  
}
```

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, 187, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 187, 202) }
```

Border

The CSS property to change the border of an element to XYZ 45.8866, 48.8036, 62.8787 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, 187, 202) }
```


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

```
.border{ border-color:rgb(174, 187, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 187, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 187, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 187, 202);  
box-shadow:4px 4px 4px 4px rgb(174, 187,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8866, 48.8036, 62.8787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 187, 202) }
```

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

```
.background{ background-color: rgb(174,  
187, 202) }
```

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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