

Converting Colors

XYZ(45.8301, 48.9110, 59.0066)

Have a look what the booklet for
XYZ(45.8301, 48.9110, 59.0066)
contains.

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Color

**XYZ(45.8656, 48.8733,
59.2407)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BBC4
RGB	177, 187, 196
RGB Percent	69%, 73%, 77%
CMY	0.3059, 0.2666, 0.2314
CMYK	0.10, 0.05, 0.00, 0.23
HSL	208°, 14%, 73%
HSV	208°, 10%, 77%
XYZ	45.8656, 48.8733, 59.2407
YIQ	185.0360, -8.8490, 0.6790

Conversions

Conversions Part 2

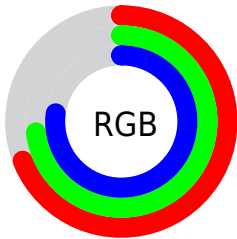
Format	Color
R _Y B	177, 184, 196
Decimal	11647940
CIE Lab	75.37, -1.67, -5.74
CIE LCh	75, 5.972, 253.802
Yxy	48.8733, 0.2979, 0.3174
Android (android.graphics.Color)	4289838020 (0xFFB1BBC4)
YUV	185.0360, 5.4053, -7.0476
Hunter-Lab	69.9094, -5.2327, -1.3053

Details

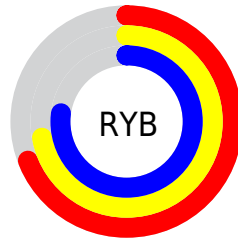
The XYZ color **45.8656, 48.8733, 59.2407** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.2599, 50.0276, 48.7085**, and the grayscale version is **46.1097, 48.5110, 52.8285**.

A 20% lighter version of the original color is **83.3845, 88.5167, 105.6191**, and **21.7198, 23.2883, 28.9415** is the 20% darker color. If you saturate the color by 10%, you get **39.8124, 42.9248, 58.4123**, and if you desaturate by 10%, it is **52.6902, 55.4111, 60.1437**.

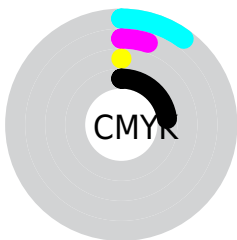
Distribution



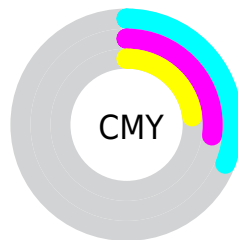
- Red (69%)
- Green (73%)
- Blue (77%)



- Red (69%)
- Yellow (72%)
- Blue (77%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (23%)



- Cyan (31%)
- Magenta (27%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8656, 48.8733, 59.2407 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 45.8656, 48.8733, 59.2407 by changing the saturation by 10% instead.

■ 45.8656, 48.8733,
59.2407

■ 45.8656, 48.8733,
59.2407

360.9931,
382.2433, 439.5200

■ 32.3440, 34.5190,
42.3856

■ 83.2469, 88.5032,
105.2600

■ 21.7812, 23.2926,
29.0755

107.8373,
114.5477, 135.2613

■ 13.8119, 14.8097,
18.8919

136.8480,
145.2576, 170.4817

■ 8.0708, 8.6859,
11.4162

170.6443,
181.0174, 211.3398

■ 4.1925, 4.5369,
6.2298

209.5916,
222.2115, 258.2542

■ 1.8116, 1.9782,
2.9143

254.0552,

■ 0.5246, 0.5948,

269.2242, 311.6433

1.0510

304.4006,
322.4400, 371.9257

■ 0.0000, 0.0000,
0.0000

■ 45.8656, 48.8733,
59.2407

■ 45.8656, 48.8733,
59.2407

■ 39.8124, 42.9248,
58.4123

■ 52.6902, 55.4111,
60.1437

■ 34.4966, 37.5405,
57.6532

■ 60.3098, 62.5497,
61.1200

■ 29.8882, 32.7026,
56.9623

■ 68.7522, 70.3083,
62.1726

■ 25.9531, 28.3899,
56.3373

■ 77.8945, 78.6267,
63.2963

■ 22.6541, 24.5791,
55.7756

■ 80.4594, 83.7565,
64.1513

■ 19.9503, 21.2453,
55.2746

■ 83.1626, 89.1628,
65.0524

■ 17.7951, 18.3603,
54.8313

■ 86.0061, 94.8500,
66.0002

■ 16.1342, 15.8917,
54.4424

■ 86.9640, 96.7656,
66.3195

■ 14.8688, 13.7841,
54.1023

Harmonies

Analogous

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



44.9441, 48.8733, 57.5147



45.8656, 48.8733, 59.2407



46.9586, 48.8733, 59.3111

Triad

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



45.8656, 48.8733, 59.2407



48.5352, 48.8733, 51.7839



45.0052, 48.8733, 48.9651

Complementary

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



45.8656, 48.8733, 59.2407



48.2599, 50.0276, 48.7085

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.



45.9503, 48.8733, 47.5511



45.8656, 48.8733, 59.2407



47.9945, 48.8733, 49.1346

Square

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



45.8656, 48.8733, 59.2407



48.5116, 48.8733, 54.9209



47.0446, 48.8733, 47.6119



44.4527, 48.8733, 51.5442

Rectangle

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



45.8656, 48.8733, 59.2407



47.6382, 48.8733, 58.4039



47.0446, 48.8733, 47.6119



45.2869, 48.8733, 48.3424

Sweetspot

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



45.8670, 48.8754, 59.2418



91.1465, 96.2883, 108.3893



46.7210, 52.3673, 54.0264



19.2906, 20.4010, 23.1710



0.0000, 0.0000, 0.0000



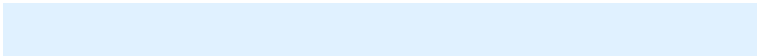
20.3446, 21.4041, 23.3091

Same Dimension

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



45.8670, 48.8754, 59.2418



80.2250, 85.7521, 106.9312



43.9436, 45.0286, 58.6007



9.9573, 10.6059, 12.8072



9.6174, 8.9914, 34.7852



0.4842, 0.5257, 1.5258

Inverse Universe

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



47.4579, 46.7689, 53.5421



83.8073, 81.1082, 94.0740



50.2989, 54.1057, 49.3882



10.2898, 10.1645, 11.6164



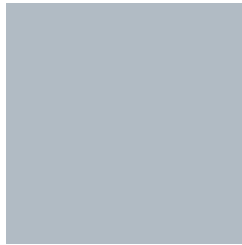
16.2504, 8.1899, 9.2307



0.7368, 0.3677, 0.5812

Previews

White Background



This preview shows how the XYZ color 45.8656, 48.8733, 59.2407 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 45.8656, 48.8733, 59.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

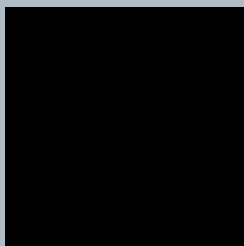
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

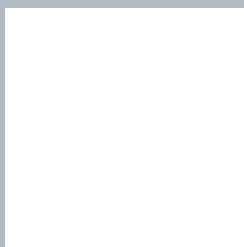
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8656, 48.8733, 59.2407

Background



This preview shows how black text looks on a background with the XYZ color 45.8656, 48.8733, 59.2407.



This preview shows how white text looks on a background with the XYZ color 45.8656, 48.8733,

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

45.8656, 48.8733, 59.2407

Protanopia

47.1278, 48.6151, 57.9387

Deuteranopia

49.6880, 48.6795, 59.6006



Tritanopia

46.4616, 48.7998, 62.2289

Trichromacy



Original Color

45.8656, 48.8733, 59.2407

Protanomaly

46.7277, 48.7053, 58.5680

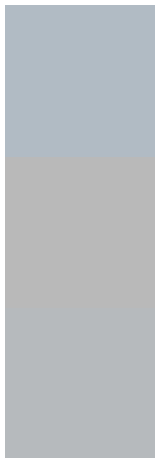
Deuteranomaly

48.2467, 48.8453, 59.7085

Tritanomaly

46.2278, 48.7063, 60.9976

Monochromacy



Original Color

45.8656, 48.8733, 59.2407

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.0356, 48.7370, 55.1250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8656, 48.8733, 59.2407 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(177, 187, 196)` looks like.

```
.text, #text, p{  
    color:rgb(177, 187, 196)  
}
```

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(177, 187, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 187, 196) }
```

Border

The CSS property to change the border of an element to XYZ 45.8656, 48.8733, 59.2407 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(177, 187, 196) }
```


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

```
.border{ border-color:rgb(177, 187, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 187, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 187, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 187, 196);  
box-shadow:4px 4px 4px 4px rgb(177, 187,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8656, 48.8733, 59.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 187, 196) }
```

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

```
.background{ background-color: rgb(177,  
187, 196) }
```

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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