

Converting Colors

XYZ(45.6604, 48.2657, 56.6689)

Have a look what the booklet for
XYZ(45.6604, 48.2657, 56.6689)
contains.

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Color

**XYZ(45.6858, 48.2070,
56.7662)**

Conversions

Conversions Part 1

Format	Color
Hex	B4B9C0
RGB	180, 185, 192
RGB Percent	71%, 73%, 75%
CMY	0.2941, 0.2745, 0.2471
CMYK	0.06, 0.04, 0.00, 0.25
HSL	215°, 9%, 73%
HSV	215°, 6%, 75%
XYZ	45.6858, 48.2070, 56.7662
YIQ	184.3030, -5.2270, 1.1170

Conversions

Conversions Part 2

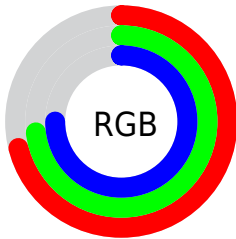
Format	Color
R _Y B	180, 184, 192
Decimal	11844032
CIE Lab	74.96, -0.38, -4.15
CIE LCh	75, 4.166, 264.751
Yxy	48.2070, 0.3032, 0.3200
Android (android.graphics.Color)	4290034112 (0xFFB4B9C0)
YUV	184.3030, 3.7946, -3.7737
Hunter-Lab	69.4313, -4.0516, 0.1271

Details

The XYZ color **45.6858, 48.2070, 56.7662** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.7470, 50.0420, 50.3234**, and the grayscale version is **45.7104, 48.0909, 52.3709**.

A 20% lighter version of the original color is **82.9906, 87.5208, 101.3261**, and **21.6639, 22.8786, 27.7003** is the 20% darker color. If you saturate the color by 10%, you get **39.2717, 41.5606, 55.8221**, and if you desaturate by 10%, it is **52.9064, 55.5456, 57.8029**.

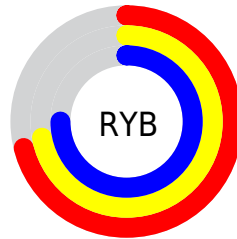
Distribution



Red (71%)

Green (73%)

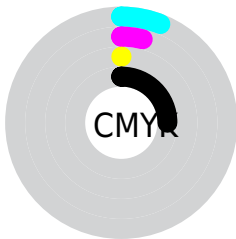
Blue (75%)



Red (71%)

Yellow (72%)

Blue (75%)

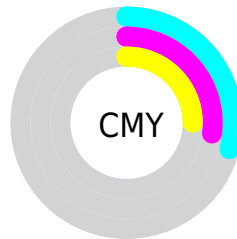


Cyan (6%)

Magenta (4%)

Yellow (0%)

Black (25%)



Cyan (29%)

Magenta (27%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6858, 48.2070, 56.7662 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 45.6858, 48.2070, 56.7662 by changing the saturation by 10% instead.

■ 45.6858, 48.2070,
56.7662

■ 45.6858, 48.2070,
56.7662

360.2812,
379.6120, 430.0418

■ 32.2015, 33.9908,
40.4095

■ 82.9793, 87.5125,
101.6209

■ 21.6718, 22.8866,
27.5417

107.5193,
113.3707, 130.9559

■ 13.7312, 14.5098,
17.7445

136.4752,
143.8783, 165.4542

■ 8.0144, 8.4761,
10.5991

170.2124,
179.4198, 205.5341

■ 4.1560, 4.4011,
5.6872

209.0962,
220.3795, 251.6143

■ 1.7908, 1.9003,
2.5901

253.4920,

■ 0.5121, 0.5486,

267.1418, 304.1133

0.8874

303.7652,
320.0912, 363.4496

■ 0.0000, 0.0000,
0.0000

■ 45.6858, 48.2070,
56.7662

■ 45.6858, 48.2070,
56.7662

■ 39.2717, 41.5606,
55.8221

■ 52.9064, 55.5456,
57.8029

■ 33.6302, 35.5787,
54.9648

■ 60.9571, 63.5908,
58.9314

■ 28.7315, 30.2407,
54.1927

■ 69.8659, 72.3640,
60.1553

■ 24.5418, 25.5225,
53.5028

■ 78.9920, 81.5407,
61.4456

■ 21.0246, 21.3982,
52.8921

■ 82.2045, 87.9657,
62.5164

■ 18.1399, 17.8400,
52.3573

■ 85.6207, 94.7982,
63.6551

■ 15.8432, 14.8170,
51.8949

■ 86.5146, 96.5858,
63.9531

■ 14.0828, 12.2947,
51.5008

■ 12.7940, 10.2310,
51.1704

Harmonies

Analogous

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



44.9814, 48.2070, 55.9802



45.6858, 48.2070, 56.7662



46.4336, 48.2070, 56.3807

Triad

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



45.6858, 48.2070, 56.7662



47.1587, 48.2070, 50.7572



44.6367, 48.2070, 50.1117

Complementary

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



45.6858, 48.2070, 56.7662



47.7470, 50.0420, 50.3234

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.



45.2105, 48.2070, 48.7811



45.6858, 48.2070, 56.7662



46.6675, 48.2070, 49.1465

Square

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



45.6858, 48.2070, 56.7662



47.2893, 48.2070, 52.8729



45.9531, 48.2070, 48.4327



44.3801, 48.2070, 52.1074

Rectangle

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



45.6858, 48.2070, 56.7662



46.8554, 48.2070, 55.5165



45.9531, 48.2070, 48.4327



44.7986, 48.2070, 49.5740

Sweetspot

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



45.6872, 48.2090, 56.7673



88.1180, 92.8035, 103.6288



46.6211, 50.9827, 54.2858



18.9328, 19.9385, 22.2359



92.9021, 97.7402, 106.4391



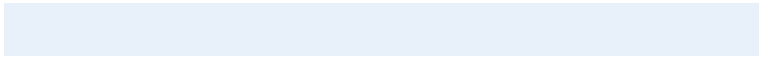
19.4759, 20.4902, 22.3138

Same Dimension

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



45.6872, 48.2090, 56.7673



81.7224, 86.2635, 102.7036



44.8457, 46.2488, 56.4332



10.1472, 10.7126, 12.8178



8.4079, 6.5723, 34.3820



0.4313, 0.4199, 1.5082

Inverse Universe

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



46.8176, 47.3528, 52.5738



84.0434, 84.5216, 94.0893



48.6248, 52.0977, 50.6739



10.4522, 10.4847, 11.6853



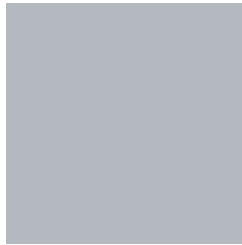
15.6399, 7.9457, 6.0157



0.7101, 0.3570, 0.4406

Previews

White Background



This preview shows how the XYZ color 45.6858, 48.2070, 56.7662 looks on a white background.

Color Contrast Check

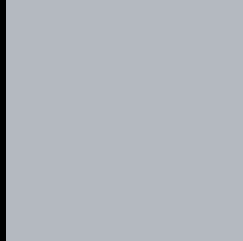
Large Text (above 18pt) WCAG AA × Fail

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 45.6858, 48.2070, 56.7662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

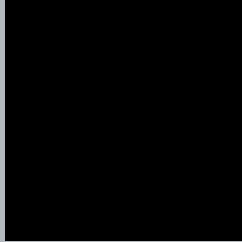
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

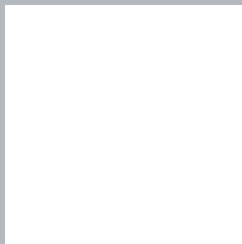
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6858, 48.2070, 56.7662

Background



This preview shows how black text looks on a background with the XYZ color 45.6858, 48.2070, 56.7662.



This preview shows how white text looks on a background with the XYZ color 45.6858, 48.2070,

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

45.6858, 48.2070, 56.7662

Protanopia

46.5872, 48.0677, 56.1128

Deuteranopia

49.0344, 48.0962, 57.1512



Tritanopia

46.5053, 48.2283, 60.8907

Trichromacy



Original Color

45.6858, 48.2070, 56.7662

Protanomaly

46.3116, 48.2329, 56.1592

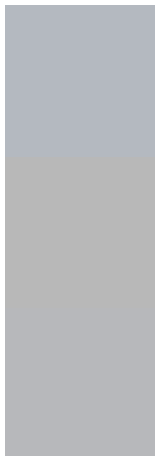
Deuteranomaly

47.6354, 47.9744, 57.2014

Tritanomaly

46.1604, 48.0903, 59.0740

Monochromacy



Original Color

45.6858, 48.2070, 56.7662

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.6386, 47.9361, 53.8609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6858, 48.2070, 56.7662 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(180, 185, 192) looks like.

```
.text, #text, p{  
    color:rgb(180, 185, 192)  
}
```

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(180, 185, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 185, 192) }
```

Border

The CSS property to change the border of an element to XYZ 45.6858, 48.2070, 56.7662 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(180, 185, 192) }
```


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

```
.border{ border-color:rgb(180, 185, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 185, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 185, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 185, 192);  
box-shadow:4px 4px 4px 4px rgb(180, 185,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6858, 48.2070, 56.7662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 185, 192) }
```

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

```
.background{ background-color: rgb(180,  
185, 192) }
```

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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