

Converting Colors

XYZ(45.7114, 48.1722, 60.3856)

Have a look what the booklet for
XYZ(45.7114, 48.1722, 60.3856)
contains.

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Color

**XYZ(45.6735, 48.1223,
60.3074)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B9C6
RGB	177, 185, 198
RGB Percent	69%, 73%, 78%
CMY	0.3059, 0.2745, 0.2235
CMYK	0.11, 0.07, 0.00, 0.22
HSL	217°, 16%, 74%
HSV	217°, 11%, 78%
XYZ	45.6735, 48.1223, 60.3074
YIQ	184.0900, -8.9410, 2.3470

Conversions

Conversions Part 2

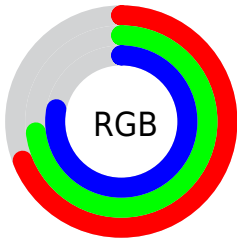
Format	Color
R _Y B	177, 183, 198
Decimal	11647430
CIE Lab	74.90, -0.19, -7.52
CIE LCh	75, 7.523, 268.579
Yxy	48.1223, 0.2964, 0.3123
Android (android.graphics.Color)	4289837510 (0xFFB1B9C6)
YUV	184.0900, 6.8576, -6.2179
Hunter-Lab	69.3702, -3.8732, -2.9849

Details

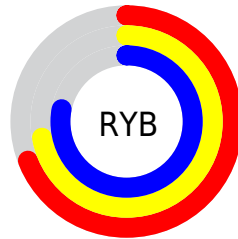
The XYZ color **45.6735, 48.1223, 60.3074** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.6382, 52.0067, 49.0180**, and the grayscale version is **45.5777, 47.9513, 52.2190**.

A 20% lighter version of the original color is **83.1096, 87.4542, 107.1078**, and **21.5975, 22.8012, 29.6483** is the 20% darker color. If you saturate the color by 10%, you get **39.0328, 41.0569, 59.2944**, and if you desaturate by 10%, it is **53.1924, 55.9711, 61.4268**.

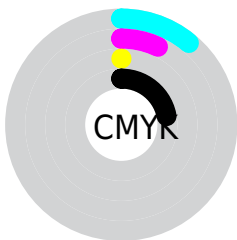
Distribution



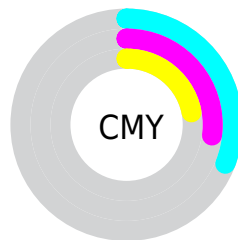
- Red (69%)
- Green (73%)
- Blue (78%)



- Red (69%)
- Yellow (72%)
- Blue (78%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)



- Cyan (31%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6735, 48.1223, 60.3074 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 45.6735, 48.1223, 60.3074 by changing the saturation by 10% instead.

■ 45.6735, 48.1223,
60.3074

■ 45.6735, 48.1223,
60.3074

360.2324,
379.2767, 443.5660

■ 32.1918, 33.9237,
43.2395

■ 82.9610, 87.3865,
106.8232

■ 21.6643, 22.8350,
29.7403

107.4975,
113.2209, 137.1082

■ 13.7256, 14.4717,
19.3912

136.4497,
143.7027, 172.6360

■ 8.0105, 8.4495,
11.7736

170.1828,
179.2163, 213.8252

■ 4.1535, 4.3839,
6.4691

209.0623,
220.1461, 261.0942

■ 1.7894, 1.8905,
3.0590

253.4535,

■ 0.5112, 0.5427,

266.8765, 314.8617

1.1248

303.7218,
319.7919, 375.5461

■ 0.0000, 0.0000,
0.0000

■ 45.6735, 48.1223,
60.3074

■ 45.6735, 48.1223,
60.3074

■ 39.0328, 41.0569,
59.2944

■ 53.1924, 55.9711,
61.4268

■ 33.2325, 34.7432,
58.3814

■ 61.6170, 64.6214,
62.6525

■ 28.2380, 29.1563,
57.5663

■ 70.9787, 74.0986,
63.9883

■ 24.0109, 24.2672,
56.8454

■ 80.8625, 84.1959,
65.4164

■ 20.5092, 20.0450,
56.2150

■ 84.4734, 91.4178,
66.6200

■ 17.6864, 16.4560,
55.6710

■ 87.1932, 96.8573,
67.5266

■ 15.4903, 13.4628,
55.2090

■ 13.8596, 11.0228,
54.8240

■ 12.7402, 9.1714,
54.5256

Harmonies

Analogous

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



44.3791, 48.1223, 59.1029



45.6735, 48.1223, 60.3074



47.0107, 48.1223, 59.3059

Triad

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



45.6735, 48.1223, 60.3074



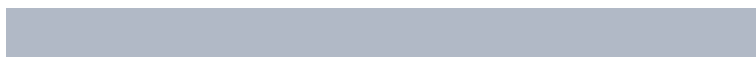
48.0915, 48.1223, 48.8699



43.5273, 48.1223, 48.5612

Complementary

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



45.6735, 48.1223, 60.3074



49.6382, 52.0067, 49.0180

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.



44.4901, 48.1223, 46.0467



45.6735, 48.1223, 60.3074



47.1260, 48.1223, 46.2185

Square

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



45.6735, 48.1223, 60.3074



48.4234, 48.1223, 52.5843



45.8042, 48.1223, 45.2105



43.1553, 48.1223, 52.2101

Rectangle

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



45.6735, 48.1223, 60.3074



47.7429, 48.1223, 57.5489



45.8042, 48.1223, 45.2105



43.7916, 48.1223, 47.5622

Sweetspot

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



45.6749, 48.1243, 60.3085



90.7994, 95.5941, 108.2736



47.6152, 53.4517, 56.4950



19.1970, 20.2138, 23.1398



0.0000, 0.0000, 0.0000



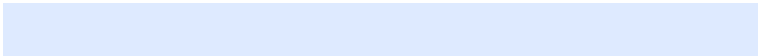
20.3446, 21.4041, 23.3091

Same Dimension

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



45.6749, 48.1243, 60.3085



77.6888, 81.8469, 106.3111



44.6107, 45.1599, 59.7924



10.3825, 10.9390, 13.4817



8.3619, 6.1178, 35.4845



0.4656, 0.4291, 1.7034

Inverse Universe

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



47.7689, 46.9539, 52.4466



82.2422, 79.3912, 89.1955



50.7788, 55.2388, 49.5817



10.7983, 10.7027, 11.9212



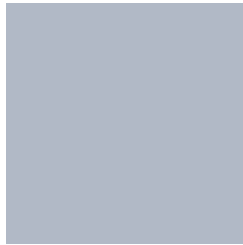
16.0200, 8.1576, 5.3154



0.7937, 0.4003, 0.4370

Previews

White Background



This preview shows how the XYZ color 45.6735, 48.1223, 60.3074 looks on a white background.

Color Contrast Check

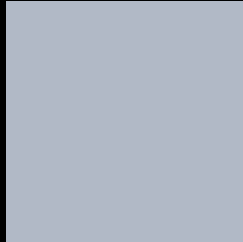
Large Text (above 18pt) WCAG AA × Fail

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 45.6735, 48.1223, 60.3074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

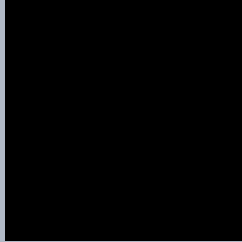
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

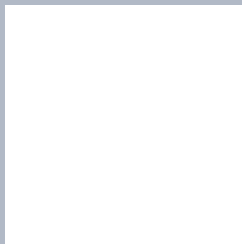
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6735, 48.1223, 60.3074

Background



This preview shows how black text looks on a background with the XYZ color 45.6735, 48.1223, 60.3074.

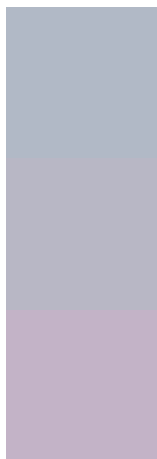


This preview shows how white text looks on a background with the XYZ color 45.6735, 48.1223,

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

45.6735, 48.1223, 60.3074

Protanopia

46.7787, 48.0885, 59.6398

Deuteranopia

48.9346, 47.9658, 60.7120



Tritanopia

45.7892, 48.1686, 60.9169

Trichromacy



Original Color

45.6735, 48.1223, 60.3074

Protanomaly

46.2746, 48.1360, 59.6756

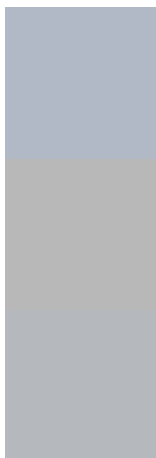
Deuteranomaly

47.5717, 47.8626, 60.7639

Tritanomaly

45.7892, 48.1686, 60.9169

Monochromacy



Original Color

45.6735, 48.1223, 60.3074

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.3819, 47.7789, 54.9745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6735, 48.1223, 60.3074 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, 185, 198)` looks like.

```
.text, #text, p{  
    color:rgb(177, 185, 198)  
}
```

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, 185, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 185, 198) }
```

Border

The CSS property to change the border of an element to XYZ 45.6735, 48.1223, 60.3074 is called "border". The border property can be set on classes, ids or directly on the HTML element.

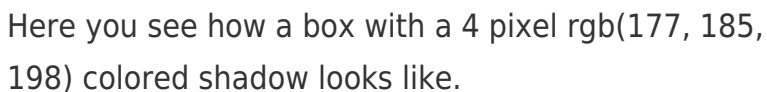
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 185, 198) }
```


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

```
.border{ border-color:rgb(177, 185, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 185, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 185, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 185, 198);  
box-shadow:4px 4px 4px 4px rgb(177, 185,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6735, 48.1223, 60.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 185, 198) }
```

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

```
.background{ background-color: rgb(177,  
185, 198) }
```

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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