

Converting Colors

XYZ(45.2441, 47.2214, 60.1943)

Have a look what the booklet for
XYZ(45.2441, 47.2214, 60.1943)
contains.

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Color

**XYZ(45.2580, 47.2913,
60.1689)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B7C6
RGB	177, 183, 198
RGB Percent	69%, 72%, 78%
CMY	0.3059, 0.2823, 0.2235
CMYK	0.11, 0.08, 0.00, 0.22
HSL	223°, 16%, 74%
HSV	223°, 11%, 78%
XYZ	45.2580, 47.2913, 60.1689
YIQ	182.9160, -8.3910, 3.3930

Conversions

Conversions Part 2

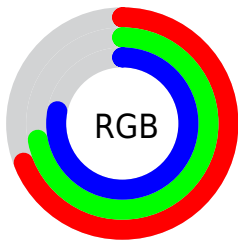
Format	Color
RYB	177, 182, 198
Decimal	11646918
CIELab	74.38, 0.89, -8.30
CIELCh	74, 8.350, 276.124
Yxy	47.2913, 0.2963, 0.3097
Android (android.graphics.Color)	4289836998 (0xFFB1B7C6)
YUV	182.9160, 7.4364, -5.1883
Hunter-Lab	68.7687, -2.8708, -3.7375

Details

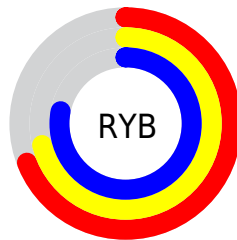
The XYZ color **45.2580, 47.2913, 60.1689** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.0744, 52.8791, 49.1634**, and the grayscale version is **44.9287, 47.2685, 51.4754**.

A 20% lighter version of the original color is **82.5208, 86.2766, 106.9115**, and **21.3289, 22.2640, 29.5588** is the 20% darker color. If you saturate the color by 10%, you get **38.2998, 39.5909, 59.0500**, and if you desaturate by 10%, it is **53.1664, 55.9191, 61.4182**.

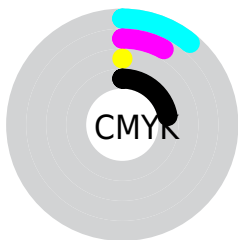
Distribution



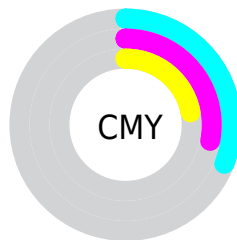
- Red (69%)
- Green (72%)
- Blue (78%)



- Red (69%)
- Yellow (71%)
- Blue (78%)



- Cyan (11%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)



- Cyan (31%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2580, 47.2913, 60.1689 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 45.2580, 47.2913, 60.1689 by changing the saturation by 10% instead.

■ 45.2580, 47.2913,
60.1689

■ 45.2580, 47.2913,
60.1689

358.5836,
375.9761, 443.0420

■ 31.8628, 33.2660,
43.1286

■ 82.3421, 86.1483,
106.6204

■ 21.4118, 22.3303,
29.6539

106.7618,
111.7487, 136.8687

■ 13.5395, 14.0998,
19.3262

135.5870,
141.9764, 172.3567

■ 7.8806, 8.1901,
11.7270

169.1831,
177.2156, 213.5030

■ 4.0698, 4.2168,
6.4378

207.9154,
217.8508, 260.7262

■ 1.7417, 1.7956,
3.0400

252.1494,

■ 0.4822, 0.4844,

264.2663, 314.4447

1.1151

302.2503,
316.8466, 375.0771

■ 0.0000, 0.0000,
0.0000

■ 45.2580, 47.2913,
60.1689

■ 45.2580, 47.2913,
60.1689

■ 38.2998, 39.5909,
59.0500

■ 53.1664, 55.9191,
61.4182

■ 32.2510, 32.7803,
58.0543

■ 62.0555, 65.4985,
62.7986

■ 27.0738, 26.8279,
57.1782

■ 71.9594, 76.0600,
64.3152

■ 22.7263, 21.6979,
56.4172

■ 82.4658, 87.4024,
65.9508

■ 19.1627, 17.3520,
55.7662

■ 86.7820, 96.0350,
67.3896

■ 16.3326, 13.7484,
55.2197

■ 87.1932, 96.8573,
67.5266

■ 14.1793, 10.8408,
54.7720

■ 12.6367, 8.5770,
54.4164

■ 11.6364, 6.9637,
54.1577

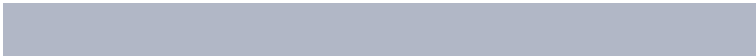
Harmonies

Analogous

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



43.7892, 47.2913, 59.4384



45.2580, 47.2913, 60.1689



46.6745, 47.2913, 58.4720

Triad

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



45.2580, 47.2913, 60.1689



47.3243, 47.2913, 46.7648



42.3575, 47.2913, 48.2139

Complementary

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



45.2580, 47.2913, 60.1689



50.0744, 52.8791, 49.1634

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.



43.2665, 47.2913, 45.0912



45.2580, 47.2913, 60.1689



46.1290, 47.2913, 44.2877

Square

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



45.2580, 47.2913, 60.1689



47.8845, 47.2913, 50.6142



44.6413, 47.2913, 43.6925



42.1359, 47.2913, 52.3803

Rectangle

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



45.2580, 47.2913, 60.1689



47.3916, 47.2913, 56.2453



44.6413, 47.2913, 43.6925



42.5917, 47.2913, 47.0147

Sweetspot

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



45.2594, 47.2933, 60.1699



90.5731, 95.1414, 108.1982



47.8076, 53.5286, 57.5082



19.1361, 20.0919, 23.1195



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.



45.2594, 47.2933, 60.1699



76.7954, 80.0601, 106.0133



45.0191, 45.3704, 59.8115



10.2995, 10.7731, 13.4541



7.6313, 4.6566, 35.2409



0.4246, 0.3471, 1.6898

Inverse Universe

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



47.5592, 46.8700, 51.3422



81.7913, 79.2108, 86.8209



50.3275, 55.0062, 49.5606



10.7564, 10.6860, 11.7007



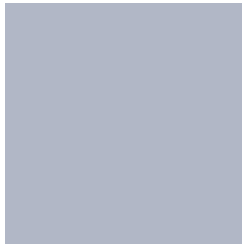
15.6513, 8.0101, 3.3735



0.7730, 0.3921, 0.3280

Previews

White Background



This preview shows how the XYZ color 45.2580, 47.2913, 60.1689 looks on a white background.

Color Contrast Check

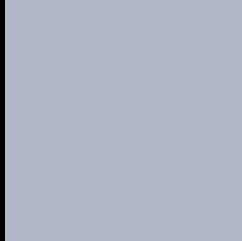
Large Text (above 18pt) WCAG AA × Fail

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 45.2580, 47.2913, 60.1689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

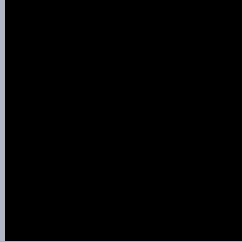
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2580, 47.2913, 60.1689

Background



This preview shows how black text looks on a background with the XYZ color 45.2580, 47.2913, 60.1689.

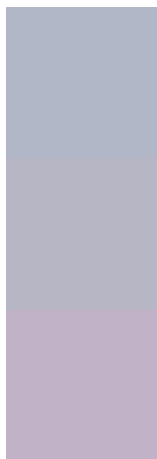


This preview shows how white text looks on a background with the XYZ color 45.2580, 47.2913,

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

45.2580, 47.2913, 60.1689

Protanopia

46.0974, 47.4322, 59.5491

Deuteranopia

48.2215, 47.3018, 60.6214



Tritanopia

45.2580, 47.2913, 60.1689

Trichromacy



Original Color

45.2580, 47.2913, 60.1689

Protanomaly

45.6284, 47.1904, 59.5271

Deuteranomaly

47.1236, 47.3308, 60.6849

Tritanomaly

45.2580, 47.2913, 60.1689

Monochromacy



Original Color

45.2580, 47.2913, 60.1689

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.0666, 47.3216, 54.3357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2580, 47.2913, 60.1689 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, 183, 198)` looks like.

```
.text, #text, p{  
    color:rgb(177, 183, 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, 183, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 183, 198) }
```

Border

The CSS property to change the border of an element to XYZ 45.2580, 47.2913, 60.1689 is called "border". The border property can be set on classes, ids or directly on the HTML element.

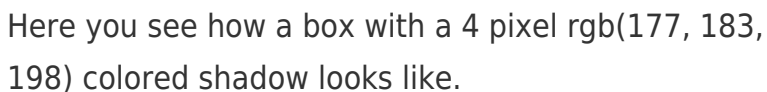
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 183, 198) }
```


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

```
.border{ border-color:rgb(177, 183, 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, 183, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 183, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 183, 198); box-shadow:4px 4px 4px 4px rgb(177, 183, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2580, 47.2913, 60.1689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 183, 198) }
```

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

```
.background{ background-color: rgb(177,  
183, 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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