

Converting Colors

XYZ(18.2292, 17.1710, 45.1433)

Have a look what the booklet for
XYZ(18.2292, 17.1710, 45.1433)
contains.

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Color

**XYZ(18.2583, 17.2386,
45.0129)**

Conversions

Conversions Part 1

Format	Color
Hex	5A71B3
RGB	90, 113, 179
RGB Percent	35%, 44%, 70%
CMY	0.6470, 0.5569, 0.2980
CMYK	0.50, 0.37, 0.00, 0.30
HSL	224°, 37%, 53%
HSV	224°, 50%, 70%
XYZ	18.2583, 17.2386, 45.0129
YIQ	113.6470, -34.8940, 15.6500

Conversions

Conversions Part 2

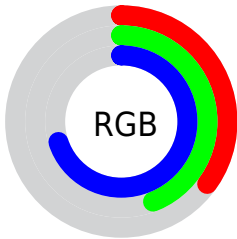
Format	Color
R _Y B	90, 108, 179
Decimal	5927347
CIE Lab	48.56, 10.23, -37.68
CIE LCh	49, 39.043, 285.184
Yxy	17.2386, 0.2268, 0.2141
Android (android.graphics.Color)	4284117427 (0xFF5A71B3)
YUV	113.6470, 32.2190, -20.7384
Hunter-Lab	41.5194, 5.8371, -35.2152

Details

The XYZ color **18.2583, 17.2386, 45.0129** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.3253, 34.1002, 14.5521**, and the grayscale version is **15.8035, 16.6265, 18.1063**.

A 20% lighter version of the original color is **40.1276, 38.9282, 83.9962**, and **6.3413, 5.7261, 20.5097** is the 20% darker color. If you saturate the color by 10%, you get **15.3481, 13.6985, 44.4833**, and if you desaturate by 10%, it is **21.8057, 21.4293, 45.6352**.

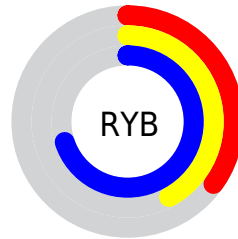
Distribution



Red (35%)

Green (44%)

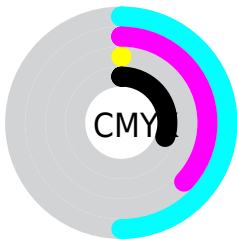
Blue (70%)



Red (35%)

Yellow (42%)

Blue (70%)

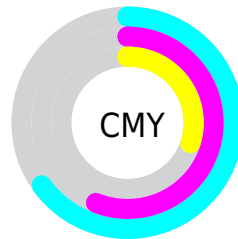


Cyan (50%)

Magenta (37%)

Yellow (0%)

Black (30%)



Cyan (65%)

Magenta (56%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2583, 17.2386, 45.0129 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 18.2583, 17.2386, 45.0129 by changing the saturation by 10% instead.

■ 18.2583, 17.2386,
45.0129

■ 18.2583, 17.2386,
45.0129

235.3405,
236.5436, 382.9875

■ 11.2364, 10.4048,
31.1246

■ 40.0036, 38.7356,
84.0584

■ 6.2945, 5.6681,
20.4345

■ 55.4577, 54.1675,
110.0527

■ 3.0673, 2.6444,
12.5240

■ 74.4533, 73.2342,
140.9194

■ 1.1895, 0.9490,
6.9748

■ 97.3557, 96.3201,
177.0769

■ 0.0980, 0.0000,
3.3681

124.5303,
123.8096, 218.9440

■ 0.0000, 0.0000,
1.2855

156.3423,

■ 0.0000, 0.0000,

156.0871, 266.9391

0.0499

193.1573,
193.5370, 321.4807

■ 0.0000, 0.0000,
0.0000

■ 18.2583, 17.2386,
45.0129

■ 18.2583, 17.2386,
45.0129

■ 15.3481, 13.6985,
44.4833

■ 21.8057, 21.4293,
45.6352

■ 13.0331, 10.7727,
44.0406

■ 26.0247, 26.3006,
46.3531

■ 11.2692, 8.4238,
43.6802

■ 30.9495, 31.8828,
47.1710

■ 10.0046, 6.6088,
43.3965

■ 36.6113, 38.2036,
48.0926

■ 9.1448, 5.2614,
43.1817

■ 43.0393, 45.2892,
49.1215

■ 9.1237, 5.2287,
43.1765

■ 50.2614, 53.1647,
50.2609

■ 58.3037, 61.8539,
51.5142

■ 67.1913, 71.3794,
52.8844

■ 76.9482, 81.7633,
54.3745

Harmonies

Analogous

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



14.6837, 17.2386, 45.0717



18.2583, 17.2386, 45.0129



21.7801, 17.2386, 36.4170

Triad

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



18.2583, 17.2386, 45.0129



21.7423, 17.2386, 7.9559



10.5809, 17.2386, 14.1585

Complementary

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



18.2583, 17.2386, 45.0129



32.3253, 34.1002, 14.5521

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.



11.9633, 17.2386, 8.0066



18.2583, 17.2386, 45.0129



18.2124, 17.2386, 5.4183

Square

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



18.2583, 17.2386, 45.0129



23.9826, 17.2386, 14.0574



14.6440, 17.2386, 5.4326



10.5895, 17.2386, 24.4329

Rectangle

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



18.2583, 17.2386, 45.0129



23.4756, 17.2386, 28.3401



14.6440, 17.2386, 5.4326



10.8883, 17.2386, 11.6406

Sweetspot

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



18.2590, 17.2392, 45.0133



59.7905, 61.9889, 85.1949



26.2761, 36.7899, 36.8449



12.7883, 13.2208, 18.8001



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



18.2590, 17.2392, 45.0133



26.8923, 23.7941, 79.5565



18.3200, 13.9324, 44.3718



8.2146, 8.5754, 10.7286



6.4930, 3.7864, 30.5256



0.2524, 0.2154, 0.9765

Inverse Universe

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



25.2278, 18.0892, 17.7852



41.1425, 26.5409, 23.6530



32.1127, 40.2717, 15.7546



8.5835, 8.5401, 9.3052



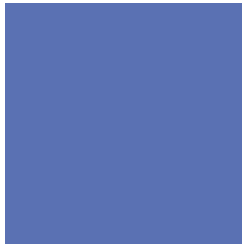
13.5120, 6.9224, 2.5903



0.4494, 0.2275, 0.2094

Previews

White Background



This preview shows how the XYZ color 18.2583, 17.2386, 45.0129 looks on a white background.

Color Contrast Check

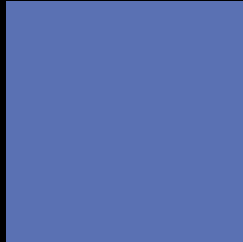
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.2583, 17.2386, 45.0129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

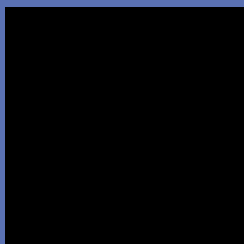
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

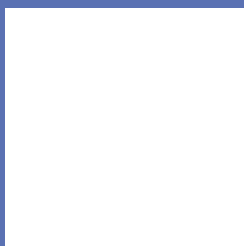
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2583, 17.2386, 45.0129

Background



This preview shows how black text looks on a background with the XYZ color 18.2583, 17.2386, 45.0129.

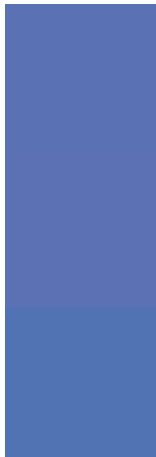


This preview shows how white text looks on a background with the XYZ color 18.2583, 17.2386,

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

18.2583, 17.2386, 45.0129

Protanopia

18.3562, 17.2891, 45.0175

Deuteranopia

17.7471, 17.3100, 45.0536



Tritanopia

14.1495, 17.3277, 24.4286

Trichromacy



Original Color

18.2583, 17.2386, 45.0129

Protanomaly

18.3562, 17.2891, 45.0175

Deuteranomaly

17.9003, 17.2206, 45.0283

Tritanomaly

15.3299, 17.0691, 30.9205

Monochromacy



Original Color

18.2583, 17.2386, 45.0129

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.4305, 16.8729, 26.4356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2583, 17.2386, 45.0129 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(90, 113, 179)` looks like.

```
.text, #text, p{  
    color:rgb(90, 113, 179)  
}
```

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(90, 113, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 113, 179) }
```

Border

The CSS property to change the border of an element to XYZ 18.2583, 17.2386, 45.0129 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(90, 113, 179) }
```


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

```
.border{ border-color:rgb(90, 113, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 113, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 113, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 113, 179);  
box-shadow:4px 4px 4px 4px rgb(90, 113,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2583, 17.2386, 45.0129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 113, 179) }
```

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

```
.background{ background-color: rgb(90, 113,  
179) }
```

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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