

Converting Colors

XYZ(20.5013, 17.5941, 50.6016)

Have a look what the booklet for
XYZ(20.5013, 17.5941, 50.6016)
contains.

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Color

**XYZ(20.4796, 17.6147,
50.4647)**

Conversions

Conversions Part 1

Format	Color
Hex	696DBD
RGB	105, 109, 189
RGB Percent	41%, 43%, 74%
CMY	0.5882, 0.5725, 0.2588
CMYK	0.44, 0.42, 0.00, 0.26
HSL	237°, 39%, 58%
HSV	237°, 44%, 74%
XYZ	20.4796, 17.6147, 50.4647
YIQ	116.9240, -28.0640, 24.0320

Conversions

Conversions Part 2

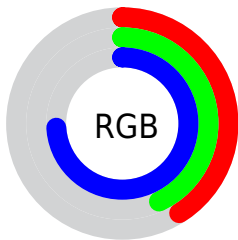
Format	Color
R _Y B	105, 109, 189
Decimal	6909373
CIE Lab	49.03, 19.47, -42.66
CIE LCh	49, 46.897, 294.532
Yxy	17.6147, 0.2313, 0.1989
Android (android.graphics.Color)	4285099453 (0xFF696DBD)
YUV	116.9240, 35.5335, -10.4573
Hunter-Lab	41.9699, 13.6535, -41.9116

Details

The XYZ color **20.4796, 17.6147, 50.4647** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **40.8856, 46.5374, 20.1931**, and the grayscale version is **16.7854, 17.6595, 19.2312**.

A 20% lighter version of the original color is **43.7026, 39.2690, 92.4651**, and **7.4112, 5.8726, 23.6646** is the 20% darker color. If you saturate the color by 10%, you get **16.7739, 13.1400, 49.7967**, and if you desaturate by 10%, it is **25.0732, 23.1314, 51.2878**.

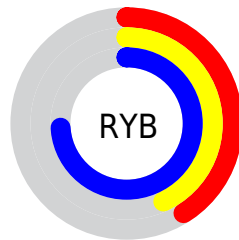
Distribution



Red (41%)

Green (43%)

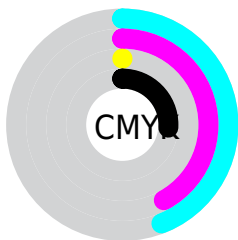
Blue (74%)



Red (41%)

Yellow (43%)

Blue (74%)

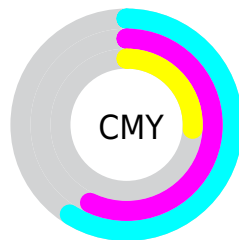


Cyan (44%)

Magenta (42%)

Yellow (0%)

Black (26%)



Cyan (59%)

Magenta (57%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4796, 17.6147, 50.4647 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 20.4796, 17.6147, 50.4647 by changing the saturation by 10% instead.

■ 20.4796, 17.6147,
50.4647

■ 20.4796, 17.6147,
50.4647

247.2842,
238.6902, 405.2674

■ 12.8544, 10.6737,
35.4090

■ 43.7177, 39.3797,
92.2664

■ 7.4047, 5.8479,
23.6920

■ 60.0612, 54.9725,
119.8495

■ 3.7650, 2.7528,
14.8952

■ 80.0417, 74.2180,
152.4455

■ 1.5701, 1.0041,
8.6001

■ 104.0244, 97.5006,
190.4729

■ 0.3728, 0.0000,
4.3880

132.3746,
125.2048, 234.3502

■ 0.0000, 0.0000,
1.8405

165.4577,

■ 0.0000, 0.0000,

157.7148, 284.4961

0.4545

203.6391,
195.4152, 341.3290

■ 0.0000, 0.0000,
0.0000

■ 20.4796, 17.6147,
50.4647

■ 20.4796, 17.6147,
50.4647

■ 16.7739, 13.1400,
49.7967

■ 25.0732, 23.1314,
51.2878

■ 13.8967, 9.6399,
49.2727

■ 30.6048, 29.7478,
52.2733

■ 11.7849, 7.0424,
48.8827

■ 37.1231, 37.5199,
53.4299

■ 10.3651, 5.2645,
48.6143

■ 44.6730, 46.4990,
54.7651

■ 9.5498, 4.2077,
48.4533

■ 53.2965, 56.7336,
56.2861

■ 9.2830, 3.8695,
48.4021

■ 63.0333, 68.2693,
57.9995

■ 73.9212, 81.1497,
59.9119

■ 85.5519, 95.1872,
62.0084

■ 86.1854, 96.4541,
62.2195

Harmonies

Analogous

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



15.9541, 17.6147, 54.4998



20.4796, 17.6147, 50.4647



24.5619, 17.6147, 36.8093

Triad

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



20.4796, 17.6147, 50.4647



22.1075, 17.6147, 5.4969



9.6925, 17.6147, 16.9760

Complementary

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



20.4796, 17.6147, 50.4647



40.8856, 46.5374, 20.1931

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.



10.7880, 17.6147, 8.3291



20.4796, 17.6147, 50.4647



17.5559, 17.6147, 3.8122

Square

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



20.4796, 17.6147, 50.4647



25.6105, 17.6147, 10.8214



13.4897, 17.6147, 4.5589



10.2015, 17.6147, 31.0087

Rectangle

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



20.4796, 17.6147, 50.4647



26.2183, 17.6147, 26.3414



13.4897, 17.6147, 4.5589



9.8786, 17.6147, 13.4497

Sweetspot

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



20.4803, 17.6153, 50.4651



68.0556, 69.0650, 95.9702



32.7597, 42.8933, 52.3413



14.0352, 14.1378, 20.5317



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.4803, 17.6153, 50.4651



30.3942, 23.9605, 89.2491



25.5307, 19.5999, 50.5820



9.0520, 9.2963, 11.9895



6.2619, 2.6355, 32.5716



0.2579, 0.1285, 1.2801

Inverse Universe

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



28.7987, 22.0268, 17.2023



47.1891, 33.0370, 22.0539



33.5476, 44.0141, 20.0928



9.5481, 9.5435, 10.0092



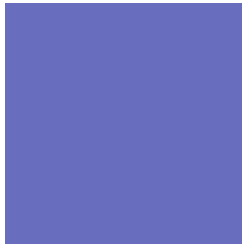
14.1615, 7.2957, 0.8780



0.5611, 0.2883, 0.0679

Previews

White Background



This preview shows how the XYZ color 20.4796, 17.6147, 50.4647 looks on a white background.

Color Contrast Check

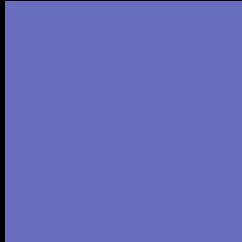
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4796, 17.6147, 50.4647 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 × Fail

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

XYZ 20.4796, 17.6147, 50.4647

Background



This preview shows how black text looks on a background with the XYZ color 20.4796, 17.6147, 50.4647.

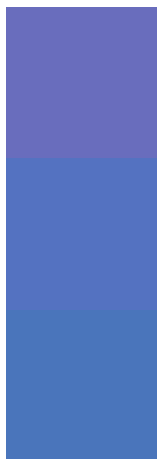


This preview shows how white text looks on a background with the XYZ color 20.4796, 17.6147,

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

20.4796, 17.6147, 50.4647

Protanopia

19.2991, 17.7697, 52.8648

Deuteranopia

18.1550, 17.7663, 49.4861



Tritanopia

15.1761, 17.6816, 24.0858

Trichromacy



Original Color

20.4796, 17.6147, 50.4647

Protanomaly

19.7222, 17.6694, 52.2402

Deuteranomaly

18.8407, 17.5968, 49.9805

Tritanomaly

16.7481, 17.4225, 32.1859

Monochromacy



Original Color

20.4796, 17.6147, 50.4647

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.7853, 17.5285, 28.4326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4796, 17.6147, 50.4647 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(105, 109, 189)` looks like.

```
.text, #text, p{  
    color:rgb(105, 109, 189)  
}
```

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(105, 109, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 109, 189) }
```

Border

The CSS property to change the border of an element to XYZ 20.4796, 17.6147, 50.4647 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(105, 109, 189) }
```


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

```
.border{ border-color:rgb(105, 109, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 109, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 109, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 109, 189); box-shadow:4px 4px 4px 4px rgb(105, 109, 189) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4796, 17.6147, 50.4647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 109, 189) }
```

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

```
.background{ background-color: rgb(105,  
109, 189) }
```

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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