

Converting Colors

XYZ(18.9586, 16.7706, 45.9539)

Have a look what the booklet for
XYZ(18.9586, 16.7706, 45.9539)
contains.

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Color

**XYZ(18.9586, 16.7706,
45.9539)**

Conversions

Conversions Part 1

Format	Color
Hex	646CB5
RGB	100, 108, 181
RGB Percent	39%, 42%, 71%
CMY	0.6078, 0.5765, 0.2902
CMYK	0.45, 0.40, 0.00, 0.29
HSL	234°, 35%, 55%
HSV	234°, 45%, 71%
XYZ	18.9586, 16.7706, 45.9539
YIQ	113.9300, -28.2010, 21.0070

Conversions

Conversions Part 2

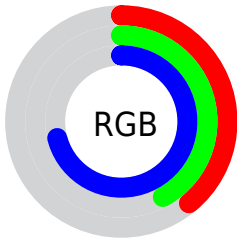
Format	Color
RYB	100, 107, 181
Decimal	6581429
CIELab	47.97, 16.41, -39.73
CIELCh	48, 42.984, 292.443
Yxy	16.7706, 0.2321, 0.2053
Android (android.graphics.Color)	4284771509 (0xFF646CB5)
YUV	113.9300, 33.0655, -12.2166
Hunter-Lab	40.9519, 10.9703, -37.8655

Details

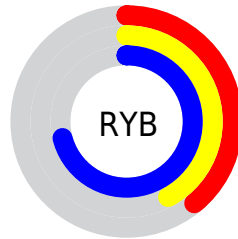
The XYZ color **18.9586, 16.7706, 45.9539** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.3009, 40.6324, 17.9872**, and the grayscale version is **15.8839, 16.7111, 18.1984**.

A 20% lighter version of the original color is **41.0106, 37.7807, 85.2517**, and **6.6917, 5.4768, 21.1265** is the 20% darker color. If you saturate the color by 10%, you get **15.6121, 12.7262, 45.3500**, and if you desaturate by 10%, it is **23.0730, 21.6893, 46.6868**.

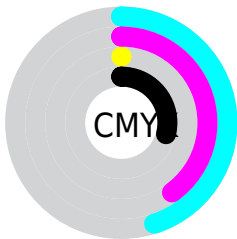
Distribution



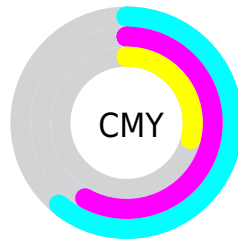
- Red (39%)
- Green (42%)
- Blue (71%)



- Red (39%)
- Yellow (42%)
- Blue (71%)



- Cyan (45%)
- Magenta (40%)
- Yellow (0%)
- Black (29%)



- Cyan (61%)
- Magenta (58%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9586, 16.7706, 45.9539 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 18.9586, 16.7706, 45.9539 by changing the saturation by 10% instead.

■ 18.9586, 16.7706,
45.9539

■ 18.9586, 16.7706,
45.9539

239.1626,
233.8469, 386.8955

■ 11.7442, 10.0711,
31.8610

■ 41.1815, 37.9309,
85.4836

■ 6.6407, 5.4461,
20.9914

■ 56.9208, 53.1605,
111.7574

■ 3.2827, 2.5113,
12.9266

■ 76.2324, 72.0023,
142.9287

■ 1.3050, 0.8823,
7.2479

■ 99.4816, 94.8405,
179.4160

■ 0.1870, 0.0000,
3.5368

127.0339,
122.0598, 221.6378

■ 0.0000, 0.0000,
1.3748

159.2546,

■ 0.0000, 0.0000,

154.0443, 270.0126

0.1220

196.5091,
191.1786, 324.9590

■ 0.0000, 0.0000,
0.0000

■ 18.9586, 16.7706,
45.9539

■ 18.9586, 16.7706,
45.9539

■ 15.6121, 12.7262,
45.3500

■ 23.0730, 21.6893,
46.6868

■ 12.9838, 9.5029,
44.8663

■ 27.9971, 27.5276,
47.5542

■ 11.0212, 7.0446,
44.4953

■ 33.7718, 34.3298,
48.5628

■ 9.6635, 5.2872,
44.2276

■ 40.4348, 42.1370,
49.7185

■ 8.8387, 4.1558,
44.0527

■ 48.0216, 50.9876,
51.0270

■ 8.5548, 3.7647,
43.9922

■ 56.5654, 60.9182,
52.4935

■ 66.0982, 71.9636,
54.1230

■ 76.6503, 84.1570,
55.9204

■ 85.2824, 96.0000,
57.7514

Harmonies

Analogous

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



14.9796, 16.7706, 48.6538



18.9586, 16.7706, 45.9539



22.6100, 16.7706, 34.6101

Triad

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



18.9586, 16.7706, 45.9539



20.9294, 16.7706, 6.0260



9.6333, 16.7706, 15.5941

Complementary

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



18.9586, 16.7706, 45.9539



36.3009, 40.6324, 17.9872

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.



10.7306, 16.7706, 8.0934



18.9586, 16.7706, 45.9539



16.9405, 16.7706, 4.2198

Square

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



18.9586, 16.7706, 45.9539



23.8703, 16.7706, 11.2624



13.2600, 16.7706, 4.7822



9.9950, 16.7706, 27.6836

Rectangle

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



18.9586, 16.7706, 45.9539



24.1560, 16.7706, 25.4872



13.2600, 16.7706, 4.7822



9.8366, 16.7706, 12.5477

Sweetspot

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



18.9592, 16.7712, 45.9543



62.2077, 63.5074, 87.2741



29.3132, 38.7709, 45.4235



12.9174, 13.1062, 18.7712



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.



18.9592, 16.7712, 45.9543



27.8794, 22.6932, 81.2054



22.4769, 17.3894, 45.8882



8.1072, 8.3607, 10.6928



5.9221, 2.6446, 30.3353



0.2082, 0.1270, 0.9618

Inverse Universe

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



26.3206, 20.0217, 16.6651



42.8987, 29.6680, 21.3701



31.1464, 40.3204, 18.1986



8.5293, 8.5184, 9.0199



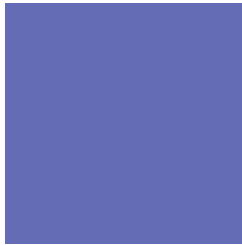
13.2239, 6.8071, 1.0729



0.4271, 0.2186, 0.0920

Previews

White Background



This preview shows how the XYZ color 18.9586, 16.7706, 45.9539 looks on a white background.

Color Contrast Check

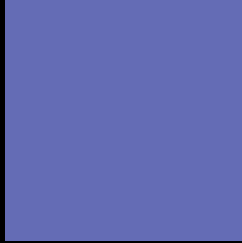
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9586, 16.7706, 45.9539 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 18.9586, 16.7706, 45.9539

Background



This preview shows how black text looks on a background with the XYZ color 18.9586, 16.7706, 45.9539.

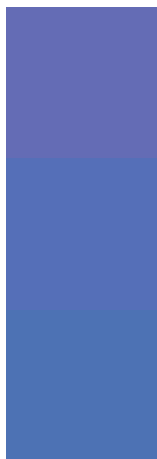


This preview shows how white text looks on a background with the XYZ color 18.9586, 16.7706,

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

18.9586, 16.7706, 45.9539

Protanopia

18.0825, 16.7609, 47.6295

Deuteranopia

17.3161, 16.9077, 45.5309



Tritanopia

14.3970, 16.7571, 23.2445

Trichromacy



Original Color

18.9586, 16.7706, 45.9539

Protanomaly

18.3396, 16.7444, 47.0651

Deuteranomaly

17.7787, 16.8149, 45.4886

Tritanomaly

15.7904, 16.6237, 30.3934

Monochromacy



Original Color

18.9586, 16.7706, 45.9539

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.6883, 16.6745, 26.3837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9586, 16.7706, 45.9539 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(100, 108, 181)` looks like.

```
.text, #text, p{  
    color:rgb(100, 108, 181)  
}
```

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(100, 108, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 108, 181) }
```

Border

The CSS property to change the border of an element to XYZ 18.9586, 16.7706, 45.9539 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(100, 108, 181) }
```


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

```
.border{ border-color:rgb(100, 108, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 108, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 108, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 108, 181);  
box-shadow:4px 4px 4px 4px rgb(100, 108,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9586, 16.7706, 45.9539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 108, 181) }
```

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

```
.background{ background-color: rgb(100,  
108, 181) }
```

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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