

Converting Colors

XYZ(18.9819, 19.0550, 36.7487)

Have a look what the booklet for
XYZ(18.9819, 19.0550, 36.7487)
contains.

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Color

**XYZ(18.9470, 18.9846,
36.8482)**

Conversions

Conversions Part 1

Format	Color
Hex	6878A2
RGB	104, 120, 162
RGB Percent	41%, 47%, 64%
CMY	0.5921, 0.5294, 0.3647
CMYK	0.36, 0.26, 0.00, 0.36
HSL	223°, 24%, 52%
HSV	223°, 36%, 64%
XYZ	18.9470, 18.9846, 36.8482
YIQ	120.0040, -23.0180, 9.6700

Conversions

Conversions Part 2

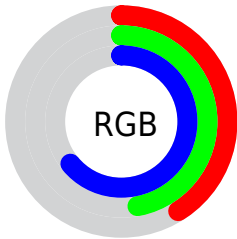
Format	Color
RYB	104, 117, 162
Decimal	6846626
CIELab	50.67, 4.71, -24.43
CIELCh	51, 24.878, 280.923
Yxy	18.9846, 0.2534, 0.2539
Android (android.graphics.Color)	4285036706 (0xFF6878A2)
YUV	120.0040, 20.7040, -14.0355
Hunter-Lab	43.5713, 1.3710, -19.6415

Details

The XYZ color **18.9470, 18.9846, 36.8482** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.6784, 29.2393, 17.2824**, and the grayscale version is **17.7956, 18.7223, 20.3886**.

A 20% lighter version of the original color is **41.1815, 41.6829, 71.5207**, and **6.6532, 6.5448, 15.6645** is the 20% darker color. If you saturate the color by 10%, you get **15.9187, 15.4561, 36.3271**, and if you desaturate by 10%, it is **22.5107, 23.0465, 37.4447**.

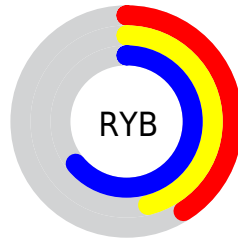
Distribution



Red (41%)

Green (47%)

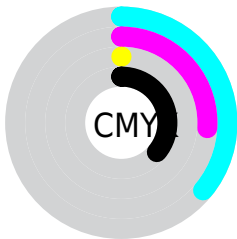
Blue (64%)



Red (41%)

Yellow (46%)

Blue (64%)

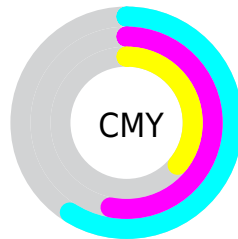


Cyan (36%)

Magenta (26%)

Yellow (0%)

Black (36%)



Cyan (59%)

Magenta (53%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9470, 18.9846, 36.8482 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 18.9470, 18.9846, 36.8482 by changing the saturation by 10% instead.

■ 18.9470, 18.9846,
36.8482

■ 18.9470, 18.9846,
36.8482

239.0997,
246.3637, 347.8017

■ 11.7358, 11.6592,
24.7951

■ 41.1621, 41.7081,
71.5230

■ 6.6349, 6.5120,
15.7068

■ 56.8967, 57.8749,
94.9817

■ 3.2791, 3.1589,
9.1648

■ 76.2030, 77.7576,
123.0795

■ 1.3030, 1.2152,
4.7506

■ 99.4466, 101.7407,
156.2347

■ 0.1855, 0.0741,
2.0455

126.9927,
130.2084, 194.8660

■ 0.0000, 0.0000,
0.5830

159.2067,

■ 0.0000, 0.0000,

163.5452, 239.3920

0.0000

196.4539,
202.1355, 290.2310

■ 18.9470, 18.9846,
36.8482

■ 18.9470, 18.9846,
36.8482

■ 15.9187, 15.4561,
36.3271

■ 22.5107, 23.0465,
37.4447

■ 13.3969, 12.4357,
35.8770

■ 26.6329, 27.6614,
38.1182

■ 11.3528, 9.8992,
35.4951

■ 31.3377, 32.8503,
38.8718

■ 9.7537, 7.8192,
35.1779

■ 36.6470, 38.6325,
39.7081

■ 8.5623, 6.1654,
34.9215

■ 42.5817, 45.0266,
40.6295

■ 7.7310, 4.9010,
34.7213

■ 49.1616, 52.0501,
41.6383

■ 7.4482, 4.4618,
34.6514

■ 56.4058, 59.7198,
42.7369

■ 64.3323, 68.0521,
43.9274

■ 72.9587, 77.0624,
45.2120

Harmonies

Analogous

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



16.5556, 18.9846, 36.1268



18.9470, 18.9846, 36.8482



21.2915, 18.9846, 32.5609

Triad

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



18.9470, 18.9846, 36.8482



21.8219, 18.9846, 13.0668



13.9678, 18.9846, 16.5874

Complementary

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



18.9470, 18.9846, 36.8482



27.6784, 29.2393, 17.2824

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.



15.1453, 18.9846, 12.0979



18.9470, 18.9846, 36.8482



19.6197, 18.9846, 10.4042

Square

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



18.9470, 18.9846, 36.8482



23.0480, 18.9846, 18.2306



17.1707, 18.9846, 10.0948



13.8229, 18.9846, 23.3201

Rectangle

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



18.9470, 18.9846, 36.8482



22.4578, 18.9846, 27.9036



17.1707, 18.9846, 10.0948



14.2506, 18.9846, 14.8104

Sweetspot

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



18.9476, 18.9853, 36.8486



52.1378, 54.4106, 69.8105



23.7845, 30.8461, 31.7186



11.4676, 11.9527, 15.6402



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.9476, 18.9853, 36.8486



29.9142, 29.2544, 66.1261



18.7506, 16.2620, 36.3334



6.8521, 7.1632, 8.9246



5.8999, 3.5792, 27.3097



0.1614, 0.1501, 0.5863

Inverse Universe

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



23.2413, 18.9388, 20.2006



39.0129, 29.6000, 30.7478



27.8932, 33.2710, 18.0493



7.1503, 7.1166, 7.7781



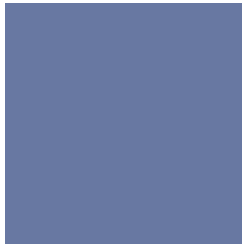
12.1235, 6.2054, 2.5748



0.2736, 0.1379, 0.1536

Previews

White Background



This preview shows how the XYZ color 18.9470, 18.9846, 36.8482 looks on a white background.

Color Contrast Check

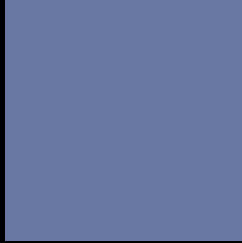
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.9470, 18.9846, 36.8482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

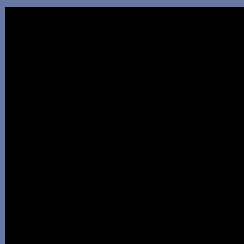
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

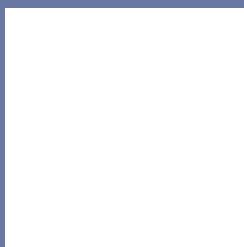
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9470, 18.9846, 36.8482

Background



This preview shows how black text looks on a background with the XYZ color 18.9470, 18.9846, 36.8482.



This preview shows how white text looks on a background with the XYZ color 18.9470, 18.9846,

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

18.9470, 18.9846, 36.8482

Protanopia

19.2142, 18.9550, 36.3642

Deuteranopia

19.4251, 19.0535, 36.8363



Tritanopia

16.7438, 19.0132, 25.7091

Trichromacy



Original Color

18.9470, 18.9846, 36.8482

Protanomaly

19.0933, 18.8927, 36.3585

Deuteranomaly

19.1818, 18.9281, 36.8249

Tritanomaly

17.4493, 18.9196, 29.5202

Monochromacy



Original Color

18.9470, 18.9846, 36.8482

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.0291, 18.7596, 25.5924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9470, 18.9846, 36.8482 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(104, 120, 162)` looks like.

```
.text, #text, p{  
    color:rgb(104, 120, 162)  
}
```

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(104, 120, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 120, 162) }
```

Border

The CSS property to change the border of an element to XYZ 18.9470, 18.9846, 36.8482 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(104, 120, 162) }
```


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

```
.border{ border-color:rgb(104, 120, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 120, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 120, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 120, 162);  
box-shadow:4px 4px 4px 4px rgb(104, 120,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9470, 18.9846, 36.8482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 120, 162) }
```

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

```
.background{ background-color: rgb(104,  
120, 162) }
```

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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