

Converting Colors

XYZ(19.7303, 18.5580, 48.6123)

Have a look what the booklet for
XYZ(19.7303, 18.5580, 48.6123)
contains.

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Color

**XYZ(19.7343, 18.6050,
48.4500)**

Conversions

Conversions Part 1

Format	Color
Hex	5E75B9
RGB	94, 117, 185
RGB Percent	37%, 46%, 73%
CMY	0.6314, 0.5412, 0.2745
CMYK	0.49, 0.37, 0.00, 0.27
HSL	225°, 39%, 55%
HSV	225°, 49%, 73%
XYZ	19.7343, 18.6050, 48.4500
YIQ	117.8750, -35.5360, 16.2720

Conversions

Conversions Part 2

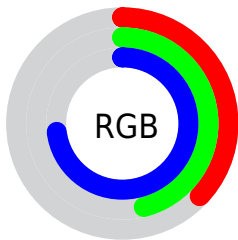
Format	Color
R _Y B	94, 112, 185
Decimal	6190521
CIE Lab	50.22, 10.63, -38.51
CIE LCh	50, 39.954, 285.435
Yxy	18.6050, 0.2274, 0.2144
Android (android.graphics.Color)	4284380601 (0xFF5E75B9)
YUV	117.8750, 33.0926, -20.9384
Hunter-Lab	43.1335, 6.1831, -36.4044

Details

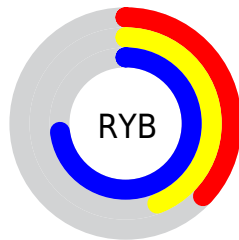
The XYZ color **19.7343, 18.6050, 48.4500** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.9492, 36.9643, 15.8834**, and the grayscale version is **17.0892, 17.9791, 19.5793**.

A 20% lighter version of the original color is **42.4596, 41.1164, 88.9175**, and **6.9878, 6.2883, 22.3182** is the 20% darker color. If you saturate the color by 10%, you get **16.5661, 14.7548, 47.8742**, and if you desaturate by 10%, it is **23.5964, 23.1666, 49.1273**.

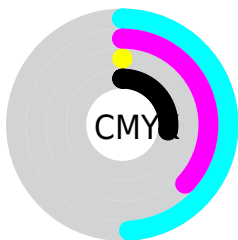
Distribution



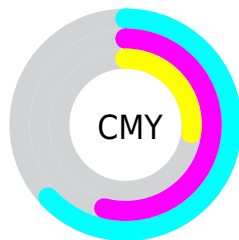
- Red (37%)
- Green (46%)
- Blue (73%)



- Red (37%)
- Yellow (44%)
- Blue (73%)



- Cyan (49%)
- Magenta (37%)
- Yellow (0%)
- Black (27%)



- Cyan (63%)
- Magenta (54%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7343, 18.6050, 48.4500 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 19.7343, 18.6050, 48.4500 by changing the saturation by 10% instead.

■ 19.7343, 18.6050,
48.4500

■ 19.7343, 18.6050,
48.4500

243.3341,
244.2594, 397.1331

■ 12.3092, 11.3852,
33.8209

■ 42.4786, 41.0656,
89.2465

■ 7.0283, 6.3266,
22.4798

■ 58.5285, 57.0751,
116.2510

■ 3.5263, 3.0447,
14.0082

■ 78.1841, 76.7834,
148.2177

■ 1.4378, 1.1551,
7.9875

■ 101.8107,
100.5748, 185.5652

■ 0.2829, 0.0246,
3.9993

129.7736,
128.8337, 228.7119

■ 0.0000, 0.0000,
1.6250

162.4383,

■ 0.0000, 0.0000,

161.9445, 278.0764

0.3085

200.1700,
200.2916, 334.0773

■ 0.0000, 0.0000,
0.0000

■ 19.7343, 18.6050,
48.4500

■ 19.7343, 18.6050,
48.4500

■ 16.5661, 14.7548,
47.8742

■ 23.5964, 23.1666,
49.1273

■ 14.0464, 11.5764,
47.3935

■ 28.1898, 28.4726,
49.9094

■ 12.1271, 9.0286,
47.0029

■ 33.5517, 34.5560,
50.8010

■ 10.7521, 7.0647,
46.6963

■ 39.7160, 41.4474,
51.8062

■ 9.8279, 5.6165,
46.4655

■ 46.7145, 49.1754,
52.9290

■ 9.7638, 5.5164,
46.4495

■ 54.5775, 57.7674,
54.1730

■ 63.3333, 67.2495,
55.5418

■ 73.0094, 77.6466,
57.0386

■ 81.5775, 87.9237,
58.5707

Harmonies

Analogous

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



15.8810, 18.6050, 48.5995



19.7343, 18.6050, 48.4500



23.5191, 18.6050, 39.1457

Triad

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



19.7343, 18.6050, 48.4500



23.4229, 18.6050, 8.5697



11.4261, 18.6050, 15.3662

Complementary

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



19.7343, 18.6050, 48.4500



34.9492, 36.9643, 15.8834

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.



12.9031, 18.6050, 8.6989



19.7343, 18.6050, 48.4500



19.6175, 18.6050, 5.8587

Square

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



19.7343, 18.6050, 48.4500



25.8507, 18.6050, 15.1085



15.7799, 18.6050, 5.8953



11.4479, 18.6050, 26.4611

Rectangle

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



19.7343, 18.6050, 48.4500



25.3334, 18.6050, 30.4476



15.7799, 18.6050, 5.8953



11.7532, 18.6050, 12.6402

Sweetspot

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



19.7350, 18.6057, 48.4505



64.2676, 66.5788, 91.6683



28.3753, 39.6420, 39.7519



13.3711, 13.8107, 19.6826



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.7350, 18.6057, 48.4505



29.2783, 25.9410, 85.6686



19.8614, 15.1698, 47.7806



8.7007, 9.0785, 11.3732



6.6985, 3.8567, 31.6444



0.2871, 0.2380, 1.1325

Inverse Universe

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



27.2218, 19.6049, 19.1795



44.5315, 28.9819, 25.8082



34.6317, 43.3743, 17.1374



9.0953, 9.0485, 9.8490



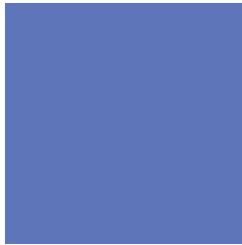
13.9948, 7.1717, 2.5934



0.5191, 0.2631, 0.2270

Previews

White Background



This preview shows how the XYZ color 19.7343, 18.6050, 48.4500 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 19.7343, 18.6050, 48.4500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

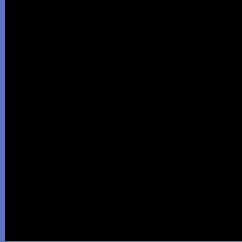
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7343, 18.6050, 48.4500

Background



This preview shows how black text looks on a background with the XYZ color 19.7343, 18.6050, 48.4500.

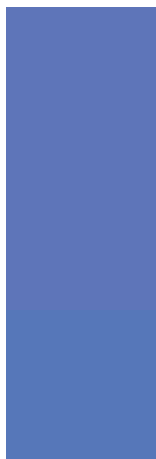


This preview shows how white text looks on a background with the XYZ color 19.7343, 18.6050,

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

19.7343, 18.6050, 48.4500

Protanopia

19.7343, 18.6050, 48.4500

Deuteranopia

19.1915, 18.6749, 48.4920



Tritanopia

15.3292, 18.6472, 26.4582

Trichromacy



Original Color

19.7343, 18.6050, 48.4500

Protanomaly

19.7343, 18.6050, 48.4500

Deuteranomaly

19.3552, 18.5835, 48.4658

Tritanomaly

16.5719, 18.3838, 33.2469

Monochromacy



Original Color

19.7343, 18.6050, 48.4500

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.6676, 18.1611, 28.1654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7343, 18.6050, 48.4500 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(94, 117, 185)` looks like.

```
.text, #text, p{  
    color:rgb(94, 117, 185)  
}
```

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(94, 117, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 117, 185) }
```

Border

The CSS property to change the border of an element to XYZ 19.7343, 18.6050, 48.4500 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(94, 117, 185) }
```


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

```
.border{ border-color:rgb(94, 117, 185) }
```

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

Here you see how a box with a 4 pixel rgb(94, 117, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 117, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 117, 185);  
box-shadow:4px 4px 4px 4px rgb(94, 117,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7343, 18.6050, 48.4500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 117, 185) }
```

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

```
.background{ background-color: rgb(94, 117,  
185) }
```

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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