

Converting Colors

XYZ(19.8089, 19.8808, 45.1625)

Have a look what the booklet for
XYZ(19.8089, 19.8808, 45.1625)
contains.

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Color

**XYZ(19.7349, 19.7600,
44.8934)**

Conversions

Conversions Part 1

Format	Color
Hex	5E7BB2
RGB	94, 123, 178
RGB Percent	37%, 48%, 70%
CMY	0.6314, 0.5176, 0.3020
CMYK	0.47, 0.31, 0.00, 0.30
HSL	219°, 35%, 53%
HSV	219°, 47%, 70%
XYZ	19.7349, 19.7600, 44.8934
YIQ	120.5990, -34.9390, 10.9570

Conversions

Conversions Part 2

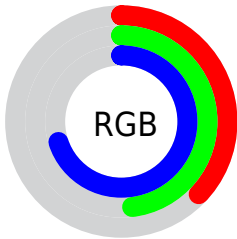
Format	Color
R_{YB}	94, 116, 178
Decimal	6192050
CIE _{Lab}	51.56, 4.85, -32.37
CIE _{LCh}	52, 32.728, 278.518
Yxy	19.7600, 0.2339, 0.2342
Android (android.graphics.Color)	4284382130 (0xFF5E7BB2)
YUV	120.5990, 28.2987, -23.3273
Hunter-Lab	44.4522, 1.4550, -28.7619

Details

The XYZ color **19.7349, 19.7600, 44.8934** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **31.1284, 31.7686, 15.0817**, and the grayscale version is **17.9652, 18.9008, 20.5830**.

A 20% lighter version of the original color is **42.3940, 42.8964, 83.8873**, and **7.0544, 6.9442, 20.3706** is the 20% darker color. If you saturate the color by 10%, you get **16.7550, 16.2041, 44.3645**, and if you desaturate by 10%, it is **23.3092, 23.8786, 45.5004**.

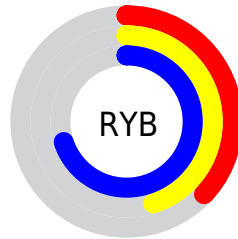
Distribution



Red (37%)

Green (48%)

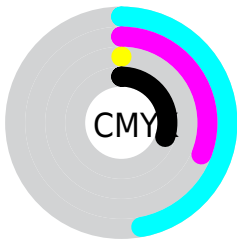
Blue (70%)



Red (37%)

Yellow (45%)

Blue (70%)

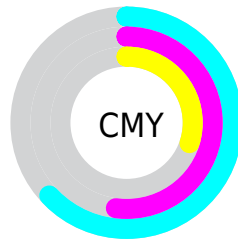


Cyan (47%)

Magenta (31%)

Yellow (0%)

Black (30%)



Cyan (63%)

Magenta (52%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7349, 19.7600, 44.8934 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 19.7349, 19.7600, 44.8934 by changing the saturation by 10% instead.

■ 19.7349, 19.7600,
44.8934

■ 19.7349, 19.7600,
44.8934

243.3373,
250.6129, 382.4892

■ 12.3096, 12.2207,
31.0311

■ 42.4796, 43.0144,
83.8772

■ 7.0286, 6.8942,
20.3639

■ 58.5298, 59.4984,
109.8358

■ 3.5265, 3.3960,
12.4731

■ 78.1856, 79.7326,
140.6635

■ 1.4379, 1.3418,
6.9403

■ 101.8125,
104.1017, 176.7791

■ 0.2830, 0.1732,
3.3469

129.7757,
132.9898, 218.6008

■ 0.0000, 0.0000,
1.2744

162.4407,

■ 0.0000, 0.0000,

166.7814, 266.5474

0.0407

200.1728,
205.8610, 321.0374

■ 0.0000, 0.0000,
0.0000

■ 19.7349, 19.7600,
44.8934

■ 19.7349, 19.7600,
44.8934

■ 16.7550, 16.2041,
44.3645

■ 23.3092, 23.8786,
45.5004

■ 14.3321, 13.1816,
43.9088

■ 27.5081, 28.5830,
46.1871

■ 12.4275, 10.6634,
43.5231

■ 32.3622, 33.8971,
46.9570

■ 10.9957, 8.6161,
43.2034

■ 37.8992, 39.8433,
47.8129

■ 9.9733, 6.9961,
42.9446

■ 44.1453, 46.4423,
48.7574

■ 9.7290, 6.6004,
42.8811

■ 51.1253, 53.7141,
49.7931

■ 58.8626, 61.6778,
50.9225

■ 67.3798, 70.3515,
52.1478

■ 76.6982, 79.7529,
53.4713

Harmonies

Analogous

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



16.5567, 19.7600, 43.1853



19.7349, 19.7600, 44.8934



23.0069, 19.7600, 39.0506

Triad

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



19.7349, 19.7600, 44.8934



24.1837, 19.7600, 12.0828



13.4840, 19.7600, 15.5344

Complementary

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



19.7349, 19.7600, 44.8934



31.1284, 31.7686, 15.0817

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.



15.1076, 19.7600, 10.2174



19.7349, 19.7600, 44.8934



21.1967, 19.7600, 8.6681

Square

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



19.7349, 19.7600, 44.8934



25.7650, 19.7600, 18.9394



17.8589, 19.7600, 8.1028



13.1895, 19.7600, 24.3147

Rectangle

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



19.7349, 19.7600, 44.8934



24.7151, 19.7600, 32.4426



17.8589, 19.7600, 8.1028



13.8824, 19.7600, 13.3668

Sweetspot

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



19.7356, 19.7607, 44.8939



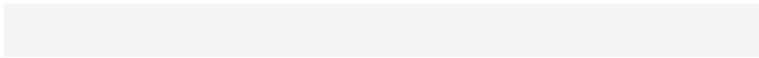
61.5148, 64.5270, 85.5940



25.9300, 36.3781, 33.9223



13.1715, 13.8023, 18.8921



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.



19.7356, 19.7607, 44.8939



29.9976, 28.9132, 80.3809



18.0547, 14.3216, 43.9326



8.2739, 8.6940, 10.7484



7.0148, 4.8299, 30.6995



0.2765, 0.2635, 0.9845

Inverse Universe

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



25.9385, 18.9011, 21.0208



42.9765, 28.2948, 30.1650



33.5417, 40.6917, 16.6768



8.6134, 8.5521, 9.4628



13.7754, 7.0277, 3.9771



0.4616, 0.2324, 0.2733

Previews

White Background



This preview shows how the XYZ color 19.7349, 19.7600, 44.8934 looks on a white background.

Color Contrast Check

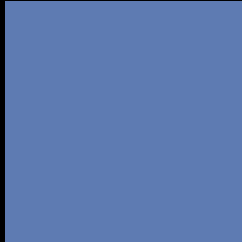
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7349, 19.7600, 44.8934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

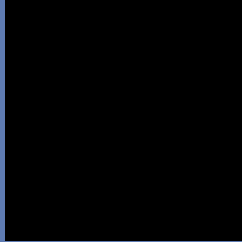
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

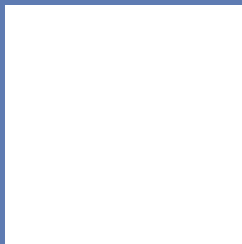
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7349, 19.7600, 44.8934

Background



This preview shows how black text looks on a background with the XYZ color 19.7349, 19.7600, 44.8934.

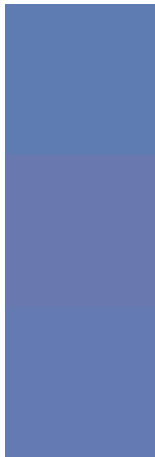


This preview shows how white text looks on a background with the XYZ color 19.7349, 19.7600,

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

19.7349, 19.7600, 44.8934

Protanopia

20.4995, 19.8126, 43.8181

Deuteranopia

20.2509, 19.8427, 44.8822



Tritanopia

16.3576, 19.7274, 28.1449

Trichromacy



Original Color

19.7349, 19.7600, 44.8934

Protanomaly

20.2622, 19.8601, 44.3604

Deuteranomaly

20.0324, 19.7301, 44.8719

Tritanomaly

17.3526, 19.5381, 33.4285

Monochromacy



Original Color

19.7349, 19.7600, 44.8934

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.3976, 19.2516, 28.3375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7349, 19.7600, 44.8934 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, 123, 178)` looks like.

```
.text, #text, p{  
    color:rgb(94, 123, 178)  
}
```

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, 123, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 123, 178) }
```

Border

The CSS property to change the border of an element to XYZ 19.7349, 19.7600, 44.8934 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, 123, 178) }
```


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

```
.border{ border-color:rgb(94, 123, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 123, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 123, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 123, 178);  
box-shadow:4px 4px 4px 4px rgb(94, 123,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7349, 19.7600, 44.8934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 123, 178) }
```

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

```
.background{ background-color: rgb(94, 123,  
178) }
```

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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