

Converting Colors

XYZ(19.3988, 21.6302, 36.1244)

Have a look what the booklet for
XYZ(19.3988, 21.6302, 36.1244)
contains.

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Color

**XYZ(19.4694, 21.7651,
35.9758)**

Conversions

Conversions Part 1

Format	Color
Hex	60859F
RGB	96, 133, 159
RGB Percent	38%, 52%, 62%
CMY	0.6235, 0.4784, 0.3765
CMYK	0.40, 0.16, 0.00, 0.38
HSL	205°, 25%, 50%
HSV	205°, 40%, 62%
XYZ	19.4694, 21.7651, 35.9758
YIQ	124.9010, -30.3980, 0.2420

Conversions

Conversions Part 2

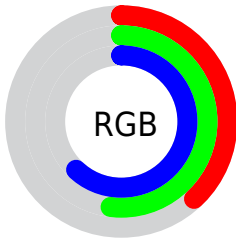
Format	Color
R_{YB}	96, 119, 159
Decimal	6325663
CIE _{Lab}	53.78, -6.02, -17.96
CIE _{LCh}	54, 18.943, 251.467
Yxy	21.7651, 0.2522, 0.2819
Android (android.graphics.Color)	4284515743 (0xFF60859F)
YUV	124.9010, 16.8108, -25.3462
Hunter-Lab	46.6531, -7.1508, -13.0634

Details

The XYZ color **19.4694, 21.7651, 35.9758** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **23.3693, 22.1348, 14.1077**, and the grayscale version is **19.4129, 20.4238, 22.2416**.

A 20% lighter version of the original color is **42.0909, 46.3624, 70.3487**, and **6.9593, 7.9812, 15.3611** is the 20% darker color. If you saturate the color by 10%, you get **17.0924, 19.2479, 35.6156**, and if you desaturate by 10%, it is **22.2423, 24.5707, 36.3716**.

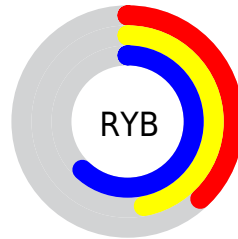
Distribution



Red (38%)

Green (52%)

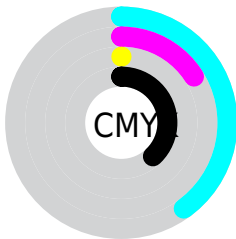
Blue (62%)



Red (38%)

Yellow (47%)

Blue (62%)

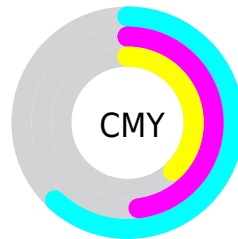


Cyan (40%)

Magenta (16%)

Yellow (0%)

Black (38%)



Cyan (62%)

Magenta (48%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4694, 21.7651, 35.9758 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 19.4694, 21.7651, 35.9758 by changing the saturation by 10% instead.

■ 19.4694, 21.7651,
35.9758

■ 19.4694, 21.7651,
35.9758

241.9167,
261.3171, 343.8890

■ 12.1160, 13.6844,
24.1260

■ 42.0366, 46.3575,
70.1633

■ 6.8955, 7.9015,
15.2140

■ 57.9810, 63.6379,
93.3381

■ 3.4426, 4.0320,
8.8214

■ 77.5198, 84.7537,
121.1250

■ 1.3919, 1.6915,
4.5297

■ 101.0183,
110.0893, 153.9424

■ 0.2504, 0.4181,
1.9202

128.8419,
140.0290, 192.2090

■ 0.0000, 0.0000,
0.5055

161.3559,

■ 0.0000, 0.0000,

174.9573, 236.3432

0.0000

198.9257,
215.2585, 286.7637

■ 19.4694, 21.7651,
35.9758

■ 19.4694, 21.7651,
35.9758

■ 17.0924, 19.2479,
35.6156

■ 22.2423, 24.5707,
36.3716

■ 15.0876, 17.0040,
35.2881

■ 25.4288, 27.6737,
36.8026

■ 13.4319, 15.0203,
34.9925

■ 29.0480, 31.0861,
37.2705

■ 12.0986, 13.2814,
34.7271

■ 33.1170, 34.8180,
37.7763

■ 11.0563, 11.7695,
34.4903

■ 37.6522, 38.8792,
38.3212

■ 10.2357, 10.4474,
34.2783

■ 42.6689, 43.2790,
38.9060

■ 10.2063, 10.3996,
34.2706

■ 48.1819, 48.0261,
39.5318

■ 54.2050, 53.1292,
40.1993

■ 60.7518, 58.5964,
40.9095

Harmonies

Analogous

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



17.8942, 21.7651, 31.9111



19.4694, 21.7651, 35.9758



21.4739, 21.7651, 36.4495

Triad

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



19.4694, 21.7651, 35.9758



24.7591, 21.7651, 21.5419



18.2052, 21.7651, 16.2609

Complementary

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



19.4694, 21.7651, 35.9758



23.3693, 22.1348, 14.1077

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.



19.9197, 21.7651, 14.3334



19.4694, 21.7651, 35.9758



23.7564, 21.7651, 17.0317

Square

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



19.4694, 21.7651, 35.9758



24.6189, 21.7651, 27.4376



21.9545, 21.7651, 14.5903



17.1979, 21.7651, 20.3155

Rectangle

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



19.4694, 21.7651, 35.9758



22.7953, 21.7651, 34.5863



21.9545, 21.7651, 14.5903



18.7130, 21.7651, 15.3753

Sweetspot

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



19.4701, 21.7659, 35.9763



50.2557, 54.0244, 66.5224



20.6860, 28.6689, 22.5975



11.1502, 12.0110, 14.9743



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.4701, 21.7659, 35.9763



30.8899, 34.7740, 63.8274



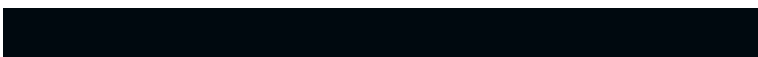
15.8633, 14.5524, 34.7741



6.5921, 7.0500, 8.4200



8.1030, 8.2975, 27.0817



0.1859, 0.2304, 0.4979

Inverse Universe

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



22.7151, 17.4307, 24.3585



37.7562, 26.5407, 39.0341



27.7520, 30.9003, 15.5686



6.7882, 6.7082, 7.7359



12.8882, 6.4599, 8.9283



0.2512, 0.1238, 0.2687

Previews

White Background



This preview shows how the XYZ color 19.4694, 21.7651, 35.9758 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 19.4694, 21.7651, 35.9758 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

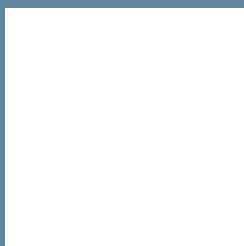
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4694, 21.7651, 35.9758

Background



This preview shows how black text looks on a background with the XYZ color 19.4694, 21.7651, 35.9758.



This preview shows how white text looks on a background with the XYZ color 19.4694, 21.7651,

35.9758.

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

19.4694, 21.7651, 35.9758

Protanopia

21.5318, 21.6829, 34.0607

Deuteranopia

22.2061, 21.7800, 36.7518



Tritanopia

18.3665, 21.7304, 30.4205

Trichromacy



Original Color

19.4694, 21.7651, 35.9758

Protanomaly

20.6611, 21.6115, 34.5350

Deuteranomaly

21.1349, 21.8160, 36.3547

Tritanomaly

18.7271, 21.6642, 32.4727

Monochromacy



Original Color

19.4694, 21.7651, 35.9758

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.1740, 20.8219, 26.6754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4694, 21.7651, 35.9758 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(96, 133, 159) looks like.

```
.text, #text, p{  
    color:rgb(96, 133, 159)  
}
```

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(96, 133, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 133, 159) }
```

Border

The CSS property to change the border of an element to XYZ 19.4694, 21.7651, 35.9758 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(96, 133, 159) }
```


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

```
.border{ border-color:rgb(96, 133, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 133, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 133, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 133, 159);  
box-shadow:4px 4px 4px 4px rgb(96, 133,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4694, 21.7651, 35.9758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 133, 159) }
```

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

```
.background{ background-color: rgb(96, 133,  
159) }
```

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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