

Converting Colors

XYZ(16.0939, 16.0813, 34.3029)

Have a look what the booklet for
XYZ(16.0939, 16.0813, 34.3029)
contains.

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Color

**XYZ(15.9867, 15.9769,
34.1395)**

Conversions

Conversions Part 1

Format	Color
Hex	5A6F9D
RGB	90, 111, 157
RGB Percent	35%, 44%, 62%
CMY	0.6470, 0.5647, 0.3843
CMYK	0.43, 0.29, 0.00, 0.38
HSL	221°, 27%, 48%
HSV	221°, 43%, 62%
XYZ	15.9867, 15.9769, 34.1395
YIQ	109.9650, -27.2820, 9.8540

Conversions

Conversions Part 2

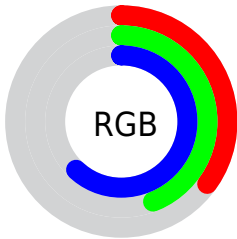
Format	Color
R_{YB}	90, 106, 157
Decimal	5926813
CIE _{Lab}	46.94, 4.69, -27.35
CIE _{LCh}	47, 27.746, 279.731
Yxy	15.9769, 0.2418, 0.2417
Android (android.graphics.Color)	4284116893 (0xFF5A6F9D)
YUV	109.9650, 23.1883, -17.5093
Hunter-Lab	39.9711, 1.4428, -22.6601

Details

The XYZ color **15.9867, 15.9769, 34.1395** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.5547, 25.5151, 13.3042**, and the grayscale version is **14.7527, 15.5210, 16.9024**.

A 20% lighter version of the original color is **36.1317, 36.4338, 67.4154**, and **5.1825, 5.0988, 14.0756** is the 20% darker color. If you saturate the color by 10%, you get **13.5119, 13.0594, 33.7071**, and if you desaturate by 10%, it is **18.9272, 19.3458, 34.6351**.

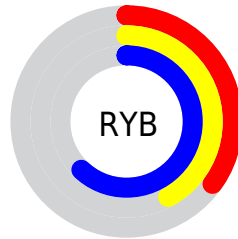
Distribution



Red (35%)

Green (44%)

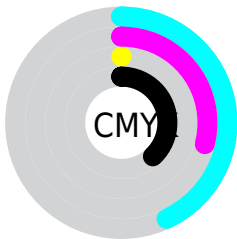
Blue (62%)



Red (35%)

Yellow (42%)

Blue (62%)

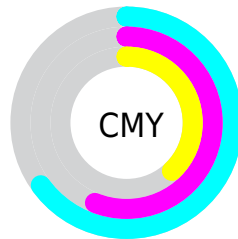


Cyan (43%)

Magenta (29%)

Yellow (0%)

Black (38%)



Cyan (65%)

Magenta (56%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9867, 15.9769, 34.1395 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 15.9867, 15.9769, 34.1395 by changing the saturation by 10% instead.

■ 15.9867, 15.9769,
34.1395

■ 15.9867, 15.9769,
34.1395

222.5352,
229.2054, 335.5418

■ 9.6055, 9.5078,
22.7226

■ 36.1327, 36.5581,
67.2869

■ 5.1985, 5.0739,
14.1854

■ 50.6283, 51.4390,
89.8545

■ 2.4001, 2.2907,
8.1095

■ 68.5594, 69.8926,
116.9760

■ 0.8452, 0.7688,
4.0763

■ 90.2914, 92.3033,
149.0700

■ 0.0000, 0.0000,
1.6673

116.1896,
119.0556, 186.5550

■ 0.0000, 0.0000,
0.3382

146.6194,

■ 0.0000, 0.0000,

150.5338, 229.8496

0.0000

181.9461,
187.1222, 279.3724

■ 15.9867, 15.9769,
34.1395

■ 15.9867, 15.9769,
34.1395

■ 13.5119, 13.0594,
33.7071

■ 18.9272, 19.3458,
34.6351

■ 11.4755, 10.5709,
33.3341

■ 22.3551, 23.1834,
35.1951

■ 9.8499, 8.4896,
33.0180

■ 26.2928, 27.5085,
35.8224

■ 8.6034, 6.7905,
32.7558

■ 30.7608, 32.3379,
36.5191

■ 7.6990, 5.4458,
32.5439

■ 35.7784, 37.6879,
37.2873

■ 7.1929, 4.6485,
32.4167

■ 41.3638, 43.5740,
38.1290

■ 47.5346, 50.0107,
39.0462

■ 54.3074, 57.0124,
40.0407

■ 61.6983, 64.5926,
41.1143

Harmonies

Analogous

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



13.6280, 15.9769, 33.1548



15.9867, 15.9769, 34.1395



18.3624, 15.9769, 29.8076

Triad

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



15.9867, 15.9769, 34.1395



19.0578, 15.9769, 10.1854



11.2210, 15.9769, 13.1710

Complementary

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



15.9867, 15.9769, 34.1395



24.5547, 25.5151, 13.3042

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.



12.3981, 15.9769, 9.0200



15.9867, 15.9769, 34.1395



16.8575, 15.9769, 7.6414

Square

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



15.9867, 15.9769, 34.1395



20.2559, 15.9769, 15.2370



14.4117, 15.9769, 7.2807



11.0409, 15.9769, 19.7502

Rectangle

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



15.9867, 15.9769, 34.1395



19.5752, 15.9769, 25.0259



14.4117, 15.9769, 7.2807



11.5067, 15.9769, 11.4999

Sweetspot

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



15.9873, 15.9775, 34.1399



46.6552, 48.7935, 64.0858



20.7024, 28.0594, 27.5373



9.9302, 10.3698, 14.0486



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.9873, 15.9775, 34.1399



24.4789, 23.7241, 60.4158



15.2542, 12.5887, 33.5244



6.4459, 6.7577, 8.3713



5.8720, 3.8355, 26.3381



0.1404, 0.1395, 0.4827

Inverse Universe

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



20.4305, 15.6287, 16.9794



33.6591, 23.6256, 24.8209



25.5300, 30.8465, 14.2819



6.7144, 6.6787, 7.3473



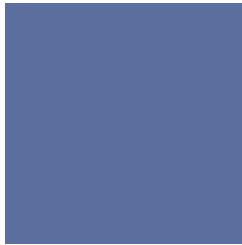
11.7621, 6.0094, 2.9983



0.2282, 0.1146, 0.1478

Previews

White Background



This preview shows how the XYZ color 15.9867, 15.9769, 34.1395 looks on a white background.

Color Contrast Check

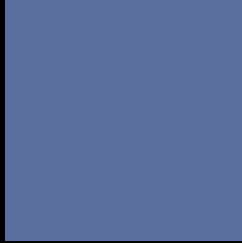
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9867, 15.9769, 34.1395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

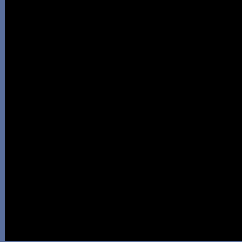
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

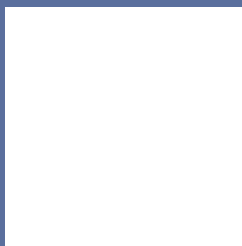
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9867, 15.9769, 34.1395

Background



This preview shows how black text looks on a background with the XYZ color 15.9867, 15.9769, 34.1395.

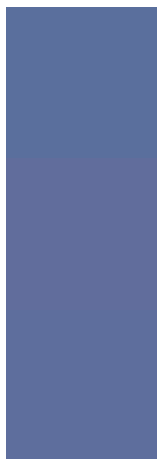


This preview shows how white text looks on a background with the XYZ color 15.9867, 15.9769,

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

15.9867, 15.9769, 34.1395

Protanopia

16.3992, 15.8790, 33.6531

Deuteranopia

16.2778, 15.9659, 34.1221



Tritanopia

13.6069, 16.0228, 22.1142

Trichromacy



Original Color

15.9867, 15.9769, 34.1395

Protanomaly

16.1928, 15.9318, 33.6742

Deuteranomaly

16.1759, 15.9133, 34.1173

Tritanomaly

14.3924, 15.9989, 25.9964

Monochromacy



Original Color

15.9867, 15.9769, 34.1395

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.0002, 15.5677, 22.2929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9867, 15.9769, 34.1395 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(90, 111, 157)` looks like.

```
.text, #text, p{  
    color:rgb(90, 111, 157)  
}
```

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(90, 111, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 111, 157) }
```

Border

The CSS property to change the border of an element to XYZ 15.9867, 15.9769, 34.1395 is called "border". The border property can be set on classes, ids or directly on the HTML element.

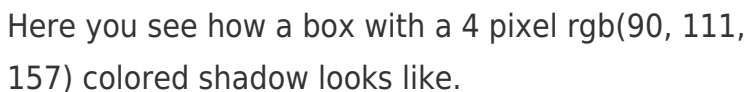
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(90, 111, 157) }
```


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

```
.border{ border-color:rgb(90, 111, 157) }
```

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



Here you see how a box with a 4 pixel `rgb(90, 111, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 111, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 111, 157);  
box-shadow:4px 4px 4px 4px rgb(90, 111,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9867, 15.9769, 34.1395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 111, 157) }
```

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

```
.background{ background-color: rgb(90, 111,  
157) }
```

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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