

Converting Colors

XYZ(19.6396, 20.0264, 37.8768)

Have a look what the booklet for
XYZ(19.6396, 20.0264, 37.8768)
contains.

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Color

**XYZ(19.6174, 20.0387,
37.9559)**

Conversions

Conversions Part 1

Format	Color
Hex	687CA4
RGB	104, 124, 164
RGB Percent	41%, 49%, 64%
CMY	0.5921, 0.5137, 0.3569
CMYK	0.37, 0.24, 0.00, 0.36
HSL	220°, 25%, 53%
HSV	220°, 37%, 64%
XYZ	19.6174, 20.0387, 37.9559
YIQ	122.5800, -24.7600, 8.2000

Conversions

Conversions Part 2

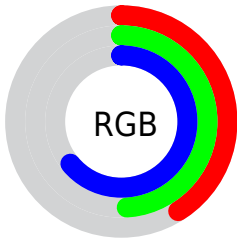
Format	Color
RYB	104, 119, 164
Decimal	6847652
CIELab	51.88, 2.90, -23.72
CIElCh	52, 23.897, 276.961
Yxy	20.0387, 0.2528, 0.2582
Android (android.graphics.Color)	4285037732 (0xFF687CA4)
YUV	122.5800, 20.4201, -16.2947
Hunter-Lab	44.7646, -0.1132, -18.9368

Details

The XYZ color **19.6174, 20.0387, 37.9559** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.7822, 28.8389, 17.1995**, and the grayscale version is **18.6300, 19.6002, 21.3446**.

A 20% lighter version of the original color is **42.2161, 43.3332, 73.1570**, and **6.9620, 6.9863, 16.3108** is the 20% darker color. If you saturate the color by 10%, you get **16.6007, 16.5614, 37.4441**, and if you desaturate by 10%, it is **23.1576, 24.0123, 38.5366**.

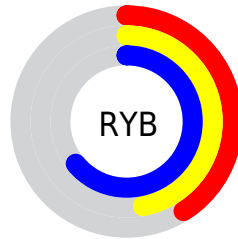
Distribution



Red (41%)

Green (49%)

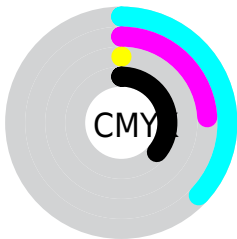
Blue (64%)



Red (41%)

Yellow (47%)

Blue (64%)

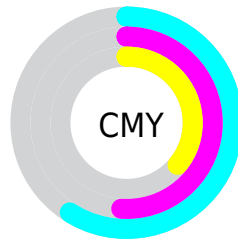


Cyan (37%)

Magenta (24%)

Yellow (0%)

Black (36%)



Cyan (59%)

Magenta (51%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6174, 20.0387, 37.9559 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 19.6174, 20.0387, 37.9559 by changing the saturation by 10% instead.

■ 19.6174, 20.0387,
37.9559

■ 19.6174, 20.0387,
37.9559

242.7095,
252.1245, 352.7233

■ 12.2239, 12.4232,
25.6469

■ 42.2836, 43.4821,
73.2432

■ 6.9696, 7.0326,
16.3363

■ 58.2871, 60.0787,
97.0586

■ 3.4893, 3.4825,
9.6055

■ 77.8912, 80.4378,
125.5465

■ 1.4175, 1.3885,
5.0360

■ 101.4614,
104.9438, 159.1256

■ 0.2686, 0.2082,
2.2093

129.3629,
133.9811, 198.2142

■ 0.0000, 0.0000,
0.6797

161.9612,

■ 0.0000, 0.0000,

167.9340, 243.2310

0.0000

199.6216,
207.1871, 294.5945

■ 19.6174, 20.0387,
37.9559

■ 19.6174, 20.0387,
37.9559

■ 16.6007, 16.5614,
37.4441

■ 23.1576, 24.0123,
38.5366

■ 14.0790, 13.5571,
36.9971

■ 27.2438, 28.4994,
39.1874

■ 12.0241, 11.0039,
36.6126

■ 31.8996, 33.5195,
39.9110

■ 10.4036, 8.8770,
36.2874

■ 37.1466, 39.0899,
40.7096

■ 9.1807, 7.1487,
36.0183

■ 43.0051, 45.2274,
41.5855

■ 8.3045, 5.7834,
35.8010

■ 49.4946, 51.9479,
42.5407

■ 8.0514, 5.3813,
35.7367

■ 56.6335, 59.2668,
43.5771

■ 64.4398, 67.1987,
44.6967

■ 72.9303, 75.7580,
45.9013

Harmonies

Analogous

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



17.2776, 20.0387, 36.5736



19.6174, 20.0387, 37.9559



21.9922, 20.0387, 34.3352

Triad

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



19.6174, 20.0387, 37.9559



23.0237, 20.0387, 14.7288



15.0664, 20.0387, 16.9951

Complementary

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



19.6174, 20.0387, 37.9559



27.7822, 28.8389, 17.1995

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.



16.3757, 20.0387, 12.7870



19.6174, 20.0387, 37.9559



20.9315, 20.0387, 11.6858

Square

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



19.6174, 20.0387, 37.9559



24.0642, 20.0387, 20.2387



18.4862, 20.0387, 11.0593



14.7793, 20.0387, 23.4790

Rectangle

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



19.6174, 20.0387, 37.9559



23.2323, 20.0387, 29.9468



18.4862, 20.0387, 11.0593



15.3958, 20.0387, 15.3131

Sweetspot

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



19.6181, 20.0395, 37.9564



53.8649, 56.5083, 71.8205



23.9428, 31.4776, 30.8010



11.5419, 12.1014, 15.6650



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.



19.6181, 20.0395, 37.9564



31.0283, 31.1070, 68.1212



18.4618, 16.0923, 37.2554



6.8844, 7.2278, 8.9353



6.2134, 4.2061, 27.4142



0.1725, 0.1724, 0.5900

Inverse Universe

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



23.8988, 19.2490, 21.5254



40.1166, 29.9940, 33.1105



29.2922, 34.5194, 18.2164



7.1666, 7.1231, 7.8639



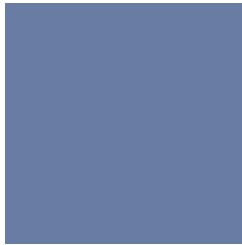
12.2817, 6.2687, 3.4080



0.2793, 0.1402, 0.1832

Previews

White Background



This preview shows how the XYZ color 19.6174, 20.0387, 37.9559 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 19.6174, 20.0387, 37.9559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

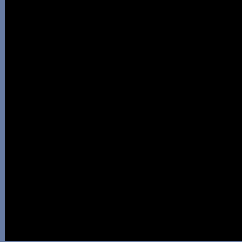
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

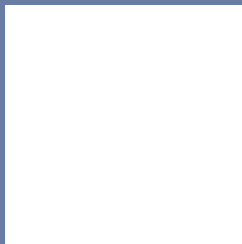
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6174, 20.0387, 37.9559

Background



This preview shows how black text looks on a background with the XYZ color 19.6174, 20.0387, 37.9559.



This preview shows how white text looks on a background with the XYZ color 19.6174, 20.0387,

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

19.6174, 20.0387, 37.9559

Protanopia

20.1632, 19.9724, 36.9748

Deuteranopia

20.5611, 20.1464, 38.4023



Tritanopia

17.5475, 20.1613, 27.3928

Trichromacy



Original Color

19.6174, 20.0387, 37.9559

Protanomaly

20.0005, 20.0615, 37.4684

Deuteranomaly

20.3049, 20.1975, 38.4256

Tritanomaly

18.1902, 20.0262, 30.9237

Monochromacy



Original Color

19.6174, 20.0387, 37.9559

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.8729, 19.7139, 26.8552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6174, 20.0387, 37.9559 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, 124, 164)` looks like.

```
.text, #text, p{  
    color:rgb(104, 124, 164)  
}
```

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, 124, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 124, 164) }
```

Border

The CSS property to change the border of an element to XYZ 19.6174, 20.0387, 37.9559 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, 124, 164) }
```


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

```
.border{ border-color:rgb(104, 124, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 124, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 124, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 124, 164);  
box-shadow:4px 4px 4px 4px rgb(104, 124,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6174, 20.0387, 37.9559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 124, 164) }
```

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

```
.background{ background-color: rgb(104,  
124, 164) }
```

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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