

Converting Colors

XYZ(19.6095, 20.0211, 30.4349)

Have a look what the booklet for
XYZ(19.6095, 20.0211, 30.4349)
contains.

XYZ(19.5519, 19.9855, 30.4309)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.5519, 19.9855,
30.4309)**

Conversions

Conversions Part 1

Format	Color
Hex	747B93
RGB	116, 123, 147
RGB Percent	45%, 48%, 58%
CMY	0.5451, 0.5176, 0.4235
CMYK	0.21, 0.16, 0.00, 0.42
HSL	226°, 13%, 52%
HSV	226°, 21%, 58%
XYZ	19.5519, 19.9855, 30.4309
YIQ	123.6430, -11.8760, 5.9800

Conversions

Conversions Part 2

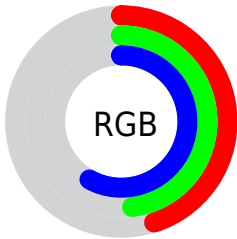
Format	Color
RYB	116, 122, 147
Decimal	7633811
CIELab	51.82, 2.83, -13.83
CIELCh	52, 14.115, 281.550
Yxy	19.9855, 0.2794, 0.2856
Android (android.graphics.Color)	4285823891 (0xFF747B93)
YUV	123.6430, 11.5150, -6.7029
Hunter-Lab	44.7051, -0.1666, -9.0652

Details

The XYZ color **19.5519, 19.9855, 30.4309** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **24.5634, 26.2203, 20.2900**, and the grayscale version is **19.0058, 19.9956, 21.7752**.

A 20% lighter version of the original color is **42.0210, 43.2018, 61.3824**, and **6.8748, 6.9354, 12.0426** is the 20% darker color. If you saturate the color by 10%, you get **16.4198, 16.3960, 29.9035**, and if you desaturate by 10%, it is **23.1586, 24.0644, 31.0284**.

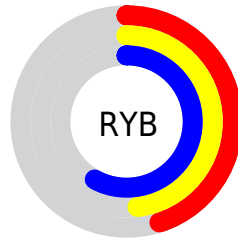
Distribution



Red (45%)

Green (48%)

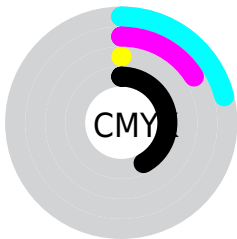
Blue (58%)



Red (45%)

Yellow (48%)

Blue (58%)

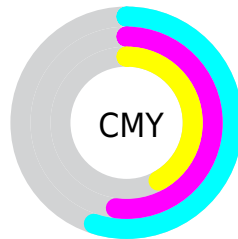


Cyan (21%)

Magenta (16%)

Yellow (0%)

Black (42%)



Cyan (55%)

Magenta (52%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5519, 19.9855, 30.4309 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 19.5519, 19.9855, 30.4309 by changing the saturation by 10% instead.

■ 19.5519, 19.9855,
30.4309

■ 19.5519, 19.9855,
30.4309

242.3589,
251.8366, 318.1774

■ 12.1761, 12.3845,
19.9111

■ 42.1743, 43.3929,
61.4120

■ 6.9368, 7.0061,
12.1470

■ 58.1517, 59.9680,
82.7103

■ 3.4686, 3.4659,
6.7201

■ 77.7269, 80.3034,
108.4386

■ 1.4061, 1.3795,
3.2119

101.2654,
104.7833, 139.0153

■ 0.2606, 0.2016,
1.2038

129.1325,
133.7922, 174.8590

■ 0.0000, 0.0000,
0.0000

161.6935,

167.7144, 216.3882

199.3139,
206.9344, 264.0215

■ 19.5519, 19.9855,
30.4309

■ 19.5519, 19.9855,
30.4309

■ 16.4198, 16.3960,
29.9035

■ 23.1586, 24.0644,
31.0284

■ 13.7404, 13.2746,
29.4422

■ 27.2570, 28.6477,
31.6971

■ 11.4926, 10.6023,
29.0449

■ 31.8654, 33.7532,
32.4397

■ 9.6531, 8.3578,
28.7086

■ 37.0008, 39.3967,
33.2583

■ 8.1962, 6.5178,
28.4302

■ 42.6795, 45.5935,
34.1551

■ 7.0930, 5.0567,
28.2063

■ 48.9167, 52.3582,
35.1321

■ 6.3103, 3.9456,
28.0331

■ 55.7273, 59.7050,
36.1912

■ 5.8159, 3.2054,
27.9163

■ 63.1257, 67.6475,
37.3343

■ 71.1255, 76.1988,
38.5633

Harmonies

Analogous

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



18.1380, 19.9855, 30.1249



19.5519, 19.9855, 30.4309



20.8798, 19.9855, 28.2072

Triad

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



19.5519, 19.9855, 30.4309



21.1302, 19.9855, 16.9412



16.5031, 19.9855, 19.3609

Complementary

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



19.5519, 19.9855, 30.4309



24.5634, 26.2203, 20.2900

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.



17.2284, 19.9855, 16.3800



19.5519, 19.9855, 30.4309



19.8798, 19.9855, 15.1087

Square

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



19.5519, 19.9855, 30.4309



21.8211, 19.9855, 20.2208



18.4500, 19.9855, 14.9170



16.4252, 19.9855, 23.3771

Rectangle

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



19.5519, 19.9855, 30.4309



21.5191, 19.9855, 25.7351



18.4500, 19.9855, 14.9170



16.6775, 19.9855, 18.2183

Sweetspot

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



19.5525, 19.9863, 30.4314



45.0047, 47.0551, 56.1451



22.3531, 26.4675, 28.6519



10.1776, 10.6343, 12.8010



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.5525, 19.9863, 30.4314



32.4296, 32.8404, 54.0642



19.8631, 18.9029, 30.2059



5.5995, 5.8329, 7.3005



5.0583, 2.8114, 24.2071



0.0809, 0.0724, 0.3026

Inverse Universe

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



21.8537, 20.1245, 21.4724



37.2894, 33.2263, 35.1227



24.1895, 27.5949, 20.5750



5.8513, 5.8356, 6.3229



10.6803, 5.4772, 1.7974



0.1403, 0.0709, 0.0724

Previews

White Background



This preview shows how the XYZ color 19.5519, 19.9855, 30.4309 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 19.5519, 19.9855, 30.4309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

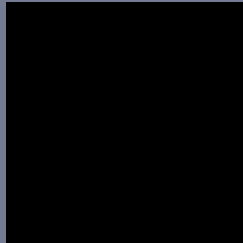
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

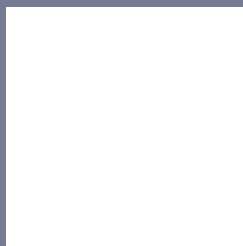
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.5519, 19.9855, 30.4309

Background



This preview shows how black text looks on a background with the XYZ color 19.5519, 19.9855, 30.4309.



This preview shows how white text looks on a background with the XYZ color 19.5519, 19.9855,

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

19.5519, 19.9855, 30.4309

Protanopia

19.6972, 19.8772, 30.4023

Deuteranopia

20.4160, 20.0664, 30.4009



Tritanopia

18.6462, 19.9939, 25.7981

Trichromacy



Original Color

19.5519, 19.9855, 30.4309

Protanomaly

19.5621, 19.8076, 30.3960

Deuteranomaly

20.1112, 20.0906, 30.4217

Tritanomaly

18.9381, 19.9242, 27.2737

Monochromacy



Original Color

19.5519, 19.9855, 30.4309

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.2577, 20.1462, 24.7034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5519, 19.9855, 30.4309 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(116, 123, 147)` looks like.

```
.text, #text, p{  
    color:rgb(116, 123, 147)  
}
```

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(116, 123, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 123, 147) }
```

Border

The CSS property to change the border of an element to XYZ 19.5519, 19.9855, 30.4309 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(116, 123, 147) }
```


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

```
.border{ border-color:rgb(116, 123, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 123, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 123, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 123, 147);  
box-shadow:4px 4px 4px 4px rgb(116, 123,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5519, 19.9855, 30.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 123, 147) }
```

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

```
.background{ background-color: rgb(116,  
123, 147) }
```

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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