

Converting Colors

XYZ(19.4906, 19.2686, 29.5258)

Have a look what the booklet for
XYZ(19.4906, 19.2686, 29.5258)
contains.

XYZ(19.4534, 19.2311, 29.4747)	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(19.4534, 19.2311,
29.4747)**

Conversions

Conversions Part 1

Format	Color
Hex	787791
RGB	120, 119, 145
RGB Percent	47%, 47%, 57%
CMY	0.5294, 0.5333, 0.4314
CMYK	0.17, 0.18, 0.00, 0.43
HSL	242°, 11%, 52%
HSV	242°, 18%, 57%
XYZ	19.4534, 19.2311, 29.4747
YIQ	122.2630, -7.7500, 8.2980

Conversions

Conversions Part 2

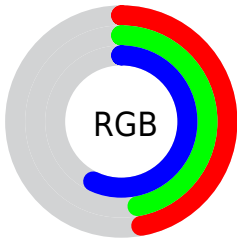
Format	Color
R_{YB}	120, 119, 145
Decimal	7894929
CIE _{Lab}	50.96, 6.06, -13.94
CIE _{LCh}	51, 15.194, 293.486
Yxy	19.2311, 0.2854, 0.2821
Android (android.graphics.Color)	4286085009 (0xFF787791)
YUV	122.2630, 11.2093, -1.9847
Hunter-Lab	43.8533, 2.4397, -9.1527

Details

The XYZ color **19.4534, 19.2311, 29.4747** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.9575, 27.5125, 21.4487**, and the grayscale version is **18.5514, 19.5176, 21.2546**.

A 20% lighter version of the original color is **42.1053, 42.1336, 59.9462**, and **6.9173, 6.6723, 11.7498** is the 20% darker color. If you saturate the color by 10%, you get **16.0628, 15.1143, 28.8591**, and if you desaturate by 10%, it is **23.3902, 24.0213, 30.1921**.

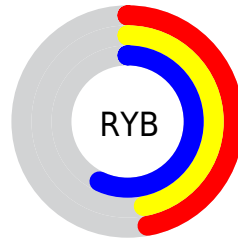
Distribution



Red (47%)

Green (47%)

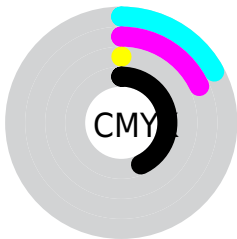
Blue (57%)



Red (47%)

Yellow (47%)

Blue (57%)

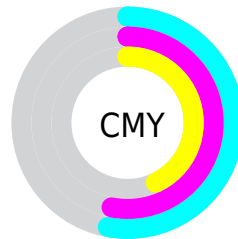


Cyan (17%)

Magenta (18%)

Yellow (0%)

Black (43%)



Cyan (53%)

Magenta (53%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4534, 19.2311, 29.4747 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 19.4534, 19.2311, 29.4747 by changing the saturation by 10% instead.

■ 19.4534, 19.2311,
29.4747

■ 19.4534, 19.2311,
29.4747

241.8308,
247.7216, 313.5789

■ 12.1043, 11.8374,
19.1916

■ 42.0098, 42.1242,
59.8816

■ 6.8875, 6.6330,
11.6306

■ 57.9478, 58.3925,
80.8424

■ 3.4375, 3.2337,
6.3732

■ 77.4796, 78.3876,
106.1996

■ 1.3891, 1.2549,
3.0009

100.9703,
102.4941, 136.3716

■ 0.2485, 0.1059,
1.0951

128.7855,
131.0964, 171.7770

■ 0.0000, 0.0000,
0.0000

161.2904,

164.5788, 212.8343

198.8504,
203.3257, 259.9621

■ 19.4534, 19.2311,
29.4747

■ 19.4534, 19.2311,
29.4747

■ 16.0628, 15.1143,
28.8591

■ 23.3902, 24.0213,
30.1921

■ 13.1924, 11.6384,
28.3395

■ 27.8937, 29.5106,
31.0143

■ 10.8172, 8.7720,
27.9114

■ 32.9860, 35.7264,
31.9457

■ 8.9090, 6.4798,
27.5695

■ 38.6872, 42.6937,
32.9900

■ 7.4371, 4.7232,
27.3080

■ 45.0163, 50.4367,
34.1510

■ 6.3670, 3.4588,
27.1204

■ 51.9919, 58.9781,
35.4320

■ 5.6590, 2.6362,
26.9989

■ 59.6315, 68.3399,
36.8363

■ 5.2493, 2.1641,
26.9294

■ 67.9521, 78.5431,
38.3672

■ 5.1806, 2.0803,
26.9168

■ 76.9699, 89.6083,
40.0277

Harmonies

Analogous

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



17.9530, 19.2311, 30.2751



19.4534, 19.2311, 29.4747



20.6984, 19.2311, 26.2544

Triad

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



19.4534, 19.2311, 29.4747



20.0508, 19.2311, 14.9725



15.5577, 19.2311, 20.0153

Complementary

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



19.4534, 19.2311, 29.4747



24.9575, 27.5125, 21.4487

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.



16.0551, 19.2311, 16.3950



19.4534, 19.2311, 29.4747



18.6081, 19.2311, 13.7522

Square

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



19.4534, 19.2311, 29.4747



21.0563, 19.2311, 17.8142



17.1520, 19.2311, 14.2349



15.7566, 19.2311, 24.4102

Rectangle

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



19.4534, 19.2311, 29.4747



21.1885, 19.2311, 23.3786



17.1520, 19.2311, 14.2349



15.6481, 19.2311, 18.6760

Sweetspot

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



19.4540, 19.2319, 29.4751



44.0618, 45.6663, 54.4657



22.7126, 25.9537, 30.6008



9.6935, 10.0268, 12.0967



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.4540, 19.2319, 29.4751



31.9698, 30.9554, 52.2635



21.3602, 20.2146, 29.5643



5.1476, 5.2643, 6.7736



4.4487, 1.7870, 23.0875



0.0456, 0.0187, 0.2209

Inverse Universe

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



23.3086, 21.2279, 29.2554



40.3555, 35.2982, 51.7593



22.8365, 26.4191, 21.3495



5.6174, 5.5075, 6.7494



14.0424, 6.7740, 21.6723



0.1361, 0.0655, 0.2167

Previews

White Background



This preview shows how the XYZ color 19.4534, 19.2311, 29.4747 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 19.4534, 19.2311, 29.4747 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 19.4534, 19.2311, 29.4747

Background



This preview shows how black text looks on a background with the XYZ color 19.4534, 19.2311, 29.4747.



This preview shows how white text looks on a background with the XYZ color 19.4534, 19.2311,

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

19.4534, 19.2311, 29.4747

Protanopia

19.1072, 19.2213, 29.8971

Deuteranopia

19.5928, 19.3029, 29.4812



Tritanopia

18.4053, 19.1650, 24.2019

Trichromacy



Original Color

19.4534, 19.2311, 29.4747

Protanomaly

19.2409, 19.2902, 29.9034

Deuteranomaly

19.5928, 19.3029, 29.4812

Tritanomaly

18.7682, 19.1325, 25.9963

Monochromacy



Original Color

19.4534, 19.2311, 29.4747

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.7518, 19.3514, 23.8660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4534, 19.2311, 29.4747 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(120, 119, 145)` looks like.

```
.text, #text, p{  
    color:rgb(120, 119, 145)  
}
```

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(120, 119, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 119, 145) }
```

Border

The CSS property to change the border of an element to XYZ 19.4534, 19.2311, 29.4747 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(120, 119, 145) }
```


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

```
.border{ border-color:rgb(120, 119, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 119, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 119, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 119, 145);  
box-shadow:4px 4px 4px 4px rgb(120, 119,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4534, 19.2311, 29.4747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 119, 145) }
```

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

```
.background{ background-color: rgb(120,  
119, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor