

Converting Colors

XYZ(19.6405, 18.9920, 31.3841)

Have a look what the booklet for
XYZ(19.6405, 18.9920, 31.3841)
contains.

XYZ(19.6120, 18.9177, 31.4720)	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(19.6120, 18.9177,
31.4720)**

Conversions

Conversions Part 1

Format	Color
Hex	787596
RGB	120, 117, 150
RGB Percent	47%, 46%, 59%
CMY	0.5294, 0.5412, 0.4118
CMYK	0.20, 0.22, 0.00, 0.41
HSL	245°, 14%, 52%
HSV	245°, 22%, 59%
XYZ	19.6120, 18.9177, 31.4720
YIQ	121.6590, -8.8050, 10.8990

Conversions

Conversions Part 2

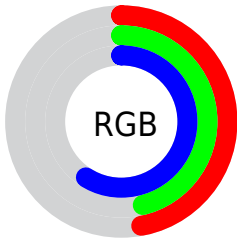
Format	Color
R_{YB}	120, 117, 150
Decimal	7894422
CIE _{Lab}	50.59, 8.43, -17.42
CIE _{LCh}	51, 19.357, 295.818
Yxy	18.9177, 0.2802, 0.2702
Android (android.graphics.Color)	4286084502 (0xFF787596)
YUV	121.6590, 13.9721, -1.4549
Hunter-Lab	43.4945, 4.3717, -12.4553

Details

The XYZ color **19.6120, 18.9177, 31.4720** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.1507, 29.3007, 21.1079**, and the grayscale version is **18.3461, 19.3015, 21.0194**.

A 20% lighter version of the original color is **42.3206, 41.6198, 62.9296**, and **6.9788, 6.4967, 12.6905** is the 20% darker color. If you saturate the color by 10%, you get **16.2439, 14.7919, 30.8535**, and if you desaturate by 10%, it is **23.5307, 23.7441, 32.1974**.

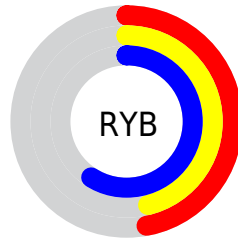
Distribution



Red (47%)

Green (46%)

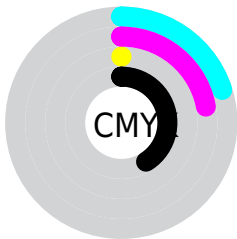
Blue (59%)



Red (47%)

Yellow (46%)

Blue (59%)

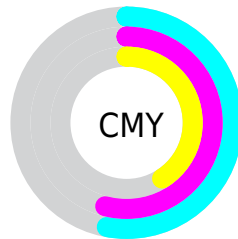


Cyan (20%)

Magenta (22%)

Yellow (0%)

Black (41%)



Cyan (53%)

Magenta (54%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6120, 18.9177, 31.4720 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 19.6120, 18.9177, 31.4720 by changing the saturation by 10% instead.

■ 19.6120, 18.9177,
31.4720

■ 19.6120, 18.9177,
31.4720

242.6806,
245.9940, 323.1252

■ 12.2199, 11.6108,
20.6971

■ 42.2746, 41.5950,
63.0707

■ 6.9669, 6.4793,
12.7137

■ 58.2759, 57.7342,
84.7315

■ 3.4876, 3.1386,
7.1033

■ 77.8777, 77.5863,
110.8580

■ 1.4165, 1.2045,
3.4473

101.4452,
101.5357, 141.8688

■ 0.2680, 0.0654,
1.3273

129.3439,
129.9667, 178.1824

■ 0.0000, 0.0000,
0.0840

161.9392,

■ 0.0000, 0.0000,

163.2639, 220.2173

0.0000

199.5963,
201.8115, 268.3921

■ 19.6120, 18.9177,
31.4720

■ 19.6120, 18.9177,
31.4720

■ 16.2439, 14.7919,
30.8535

■ 23.5307, 23.7441,
32.1974

■ 13.4001, 11.3318,
30.3355

■ 28.0214, 29.2990,
33.0329

■ 11.0545, 8.5032,
29.9131

■ 33.1064, 35.6119,
33.9834

■ 9.1784, 6.2679,
29.5806

■ 38.8063, 42.7096,
35.0530

■ 7.7398, 4.5833,
29.3312

■ 45.1407, 50.6180,
36.2456

■ 6.7030, 3.4015,
29.1578

■ 52.1285, 59.3615,
37.5649

■ 6.0262, 2.6659,
29.0514

■ 59.7875, 68.9636,
39.0147

■ 5.6805, 2.2924,
28.9976

■ 68.1351, 79.4469,
40.5982

■ 77.1879, 90.8330,
42.3188

Harmonies

Analogous

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



17.7167, 18.9177, 32.8339



19.6120, 18.9177, 31.4720



21.1611, 18.9177, 27.0234

Triad

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



19.6120, 18.9177, 31.4720



20.1029, 18.9177, 13.1257



14.5911, 18.9177, 19.8477

Complementary

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



19.6120, 18.9177, 31.4720



26.1507, 29.3007, 21.1079

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.



15.1361, 18.9177, 15.2818



19.6120, 18.9177, 31.4720



18.2473, 18.9177, 11.8567

Square

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



19.6120, 18.9177, 31.4720



21.4582, 18.9177, 16.3858



16.4425, 18.9177, 12.5710



14.9008, 18.9177, 25.4768

Rectangle

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



19.6120, 18.9177, 31.4720



21.7433, 18.9177, 23.2576



16.4425, 18.9177, 12.5710



14.6794, 18.9177, 18.1496

Sweetspot

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



19.6126, 18.9185, 31.4724



45.2493, 46.5034, 57.5124



23.3144, 26.9297, 32.8237



9.9398, 10.1969, 12.7291



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.



19.6126, 18.9185, 31.4724



31.8105, 29.9499, 55.0256



22.0610, 20.1807, 31.5870



5.5455, 5.6567, 7.2693



4.7246, 1.9082, 24.0503



0.0675, 0.0283, 0.2948

Inverse Universe

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



24.2062, 21.3141, 30.4432



41.2907, 34.8955, 52.8299



23.4393, 27.9029, 20.9810



6.0128, 5.9002, 7.1737



14.1455, 6.8632, 20.0448



0.1785, 0.0861, 0.2735

Previews

White Background



This preview shows how the XYZ color 19.6120, 18.9177, 31.4720 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 19.6120, 18.9177, 31.4720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

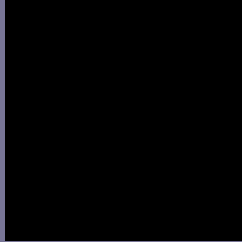
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6120, 18.9177, 31.4720

Background



This preview shows how black text looks on a background with the XYZ color 19.6120, 18.9177, 31.4720.



This preview shows how white text looks on a background with the XYZ color 19.6120, 18.9177,

31.4720.

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

19.6120, 18.9177, 31.4720

Protanopia

18.9464, 18.9054, 32.3563

Deuteranopia

19.3196, 18.9408, 31.4918



Tritanopia

18.0691, 18.9995, 23.8340

Trichromacy



Original Color

19.6120, 18.9177, 31.4720

Protanomaly

19.1346, 18.8361, 31.9054

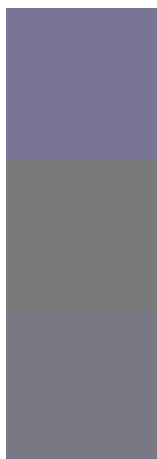
Deuteranomaly

19.4547, 19.0104, 31.4982

Tritanomaly

18.5679, 19.0210, 26.3597

Monochromacy



Original Color

19.6120, 18.9177, 31.4720

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.7665, 19.1638, 24.5397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6120, 18.9177, 31.4720 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, 117, 150)` looks like.

```
.text, #text, p{  
    color:rgb(120, 117, 150)  
}
```

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, 117, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 117, 150) }
```

Border

The CSS property to change the border of an element to XYZ 19.6120, 18.9177, 31.4720 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, 117, 150) }
```


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

```
.border{ border-color:rgb(120, 117, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 117, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 117, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 117, 150);  
box-shadow:4px 4px 4px 4px rgb(120, 117,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6120, 18.9177, 31.4720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 117, 150) }
```

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

```
.background{ background-color: rgb(120,  
117, 150) }
```

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