

Converting Colors

XYZ(19.7256, 18.5187, 31.5793)

Have a look what the booklet for
XYZ(19.7256, 18.5187, 31.5793)
contains.

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Color

**XYZ(19.6907, 18.4476,
31.3771)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7296
RGB	123, 114, 150
RGB Percent	48%, 45%, 59%
CMY	0.5176, 0.5529, 0.4118
CMYK	0.18, 0.24, 0.00, 0.41
HSL	255°, 15%, 52%
HSV	255°, 24%, 59%
XYZ	19.6907, 18.4476, 31.3771
YIQ	120.7950, -6.1920, 13.1040

Conversions

Conversions Part 2

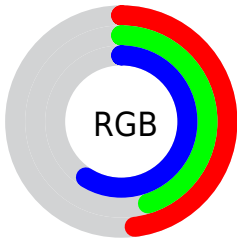
Format	Color
R_{YB}	123, 114, 150
Decimal	8090262
CIE _{Lab}	50.03, 11.22, -18.25
CIE _{LCh}	50, 21.425, 301.587
Yxy	18.4476, 0.2833, 0.2654
Android (android.graphics.Color)	4286280342 (0xFF7B7296)
YUV	120.7950, 14.3981, 1.9338
Hunter-Lab	42.9507, 6.6695, -13.2481

Details

The XYZ color **19.6907, 18.4476, 31.3771** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.9288, 28.6908, 20.1444**, and the grayscale version is **18.0648, 19.0056, 20.6971**.

A 20% lighter version of the original color is **42.4398, 40.8622, 62.7771**, and **7.0244, 6.2531, 12.6411** is the 20% darker color. If you saturate the color by 10%, you get **16.6176, 14.5547, 30.7880**, and if you desaturate by 10%, it is **23.2274, 22.9924, 32.0682**.

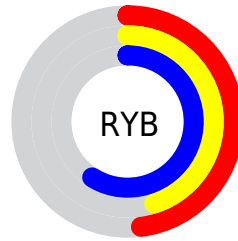
Distribution



Red (48%)

Green (45%)

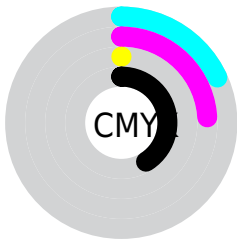
Blue (59%)



Red (48%)

Yellow (45%)

Blue (59%)

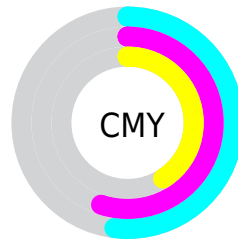


Cyan (18%)

Magenta (24%)

Yellow (0%)

Black (41%)



Cyan (52%)

Magenta (55%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6907, 18.4476, 31.3771 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 19.6907, 18.4476, 31.3771 by changing the saturation by 10% instead.

■ 19.6907, 18.4476,
31.3771

■ 19.6907, 18.4476,
31.3771

243.1013,
243.3820, 322.6767

■ 12.2774, 11.2718,
20.6253

■ 42.4059, 40.7986,
62.9198

■ 7.0064, 6.2500,
12.6618

■ 58.4385, 56.7425,
84.5478

■ 3.5125, 2.9977,
7.0681

■ 78.0749, 76.3780,
110.6383

■ 1.4302, 1.1305,
3.4256

■ 101.6805,
100.0894, 141.6098

■ 0.2776, 0.0038,
1.3159

129.6205,
128.2611, 177.8808

■ 0.0000, 0.0000,
0.0747

162.2605,

■ 0.0000, 0.0000,

161.2775, 219.8700

0.0000

199.9656,
199.5230, 267.9957

■ 19.6907, 18.4476,
31.3771

■ 19.6907, 18.4476,
31.3771

■ 16.6176, 14.5547,
30.7880

■ 23.2274, 22.9924,
32.0682

■ 13.9867, 11.2811,
30.2948

■ 27.2446, 28.2149,
32.8646

■ 11.7772, 8.5948,
29.8927

■ 31.7602, 34.1426,
33.7707

■ 9.9662, 6.4603,
29.5762

■ 36.7909, 40.8005,
34.7907

■ 8.5283, 4.8377,
29.3387

■ 42.3524, 48.2126,
35.9282

■ 7.4348, 3.6818,
29.1733

■ 48.4601, 56.4015,
37.1869

■ 6.6522, 2.9384,
29.0710

■ 55.1282, 65.3892,
38.5703

■ 6.2860, 2.6046,
29.0259

■ 62.3709, 75.1965,
40.0815

■ 70.2015, 85.8437,
41.7239

Harmonies

Analogous

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



17.6438, 18.4476, 33.6876



19.6907, 18.4476, 31.3771



21.2521, 18.4476, 25.9795

Triad

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



19.6907, 18.4476, 31.3771



19.4862, 18.4476, 11.6723



13.8663, 18.4476, 20.4020

Complementary

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



19.6907, 18.4476, 31.3771



24.9288, 28.6908, 20.1444

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.



14.2768, 18.4476, 15.1594



19.6907, 18.4476, 31.3771



17.4244, 18.4476, 10.7496

Square

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



19.6907, 18.4476, 31.3771



21.1276, 18.4476, 14.7129



15.5406, 18.4476, 11.8924



14.3727, 18.4476, 26.6307

Rectangle

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



19.6907, 18.4476, 31.3771



21.7497, 18.4476, 21.7914



15.5406, 18.4476, 11.8924



13.9014, 18.4476, 18.4725

Sweetspot

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



19.6913, 18.4484, 31.3775



45.7612, 46.7673, 57.5364



22.0587, 25.0072, 32.5187



10.0606, 10.2591, 12.7348



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.



19.6913, 18.4484, 31.3775



31.6290, 28.5893, 54.7725



22.4057, 19.8477, 31.5045



5.6273, 5.6988, 7.2731



5.2394, 2.1736, 24.0744



0.0878, 0.0388, 0.2958

Inverse Universe

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



23.4033, 20.4425, 27.9125



39.4406, 32.7898, 47.2975



22.1987, 27.2834, 20.0167



5.9740, 5.8847, 6.9692



12.8939, 6.3626, 13.4539



0.1696, 0.0826, 0.2267

Previews

White Background



This preview shows how the XYZ color 19.6907, 18.4476, 31.3771 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 19.6907, 18.4476, 31.3771 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 19.6907, 18.4476, 31.3771

Background



This preview shows how black text looks on a background with the XYZ color 19.6907, 18.4476, 31.3771.



This preview shows how white text looks on a background with the XYZ color 19.6907, 18.4476,

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

19.6907, 18.4476, 31.3771

Protanopia

18.6586, 18.5718, 32.7383

Deuteranopia

18.8563, 18.5373, 31.0180



Tritanopia

17.9169, 18.4111, 22.6880

Trichromacy



Original Color

19.6907, 18.4476, 31.3771

Protanomaly

19.0990, 18.6344, 32.2959

Deuteranomaly

19.1414, 18.5123, 30.9981

Tritanomaly

18.4802, 18.4649, 25.5117

Monochromacy



Original Color

19.6907, 18.4476, 31.3771

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.6693, 18.7604, 24.4669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6907, 18.4476, 31.3771 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(123, 114, 150)` looks like.

```
.text, #text, p{  
    color:rgb(123, 114, 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(123, 114, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 114, 150) }
```

Border

The CSS property to change the border of an element to XYZ 19.6907, 18.4476, 31.3771 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(123, 114, 150) }
```


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

```
.border{ border-color:rgb(123, 114, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 114, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 114, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 114, 150);  
box-shadow:4px 4px 4px 4px rgb(123, 114,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6907, 18.4476, 31.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 114, 150) }
```

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

```
.background{ background-color: rgb(123,  
114, 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](#).

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