

Converting Colors

XYZ(18.8289, 15.8170, 31.7664)

Have a look what the booklet for
XYZ(18.8289, 15.8170, 31.7664)
contains.

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Color

**XYZ(18.8289, 15.8170,
31.7664)**

Conversions

Conversions Part 1

Format	Color
Hex	7E6498
RGB	126, 100, 152
RGB Percent	49%, 39%, 60%
CMY	0.5059, 0.6078, 0.4039
CMYK	0.17, 0.34, 0.00, 0.40
HSL	270°, 21%, 49%
HSV	270°, 34%, 60%
XYZ	18.8289, 15.8170, 31.7664
YIQ	113.7020, -1.1960, 21.6840

Conversions

Conversions Part 2

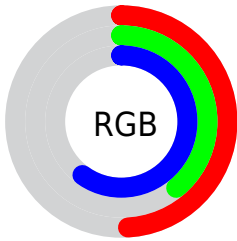
Format	Color
R_{YB}	126, 100, 152
Decimal	8283288
CIE _{Lab}	46.73, 21.07, -24.49
CIE _{LCh}	47, 32.304, 310.712
Yxy	15.8170, 0.2835, 0.2382
Android (android.graphics.Color)	4286473368 (0xFF7E6498)
YUV	113.7020, 18.8809, 10.7853
Hunter-Lab	39.7706, 14.9101, -19.5179

Details

The XYZ color **18.8289, 15.8170, 31.7664** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.1332, 27.8126, 16.2591**, and the grayscale version is **15.8511, 16.6766, 18.1608**.

A 20% lighter version of the original color is **40.7976, 36.1732, 63.2244**, and **6.6026, 5.0223, 12.9333** is the 20% darker color. If you saturate the color by 10%, you get **16.4264, 12.6127, 31.2748**, and if you desaturate by 10%, it is **21.5896, 19.6105, 32.3534**.

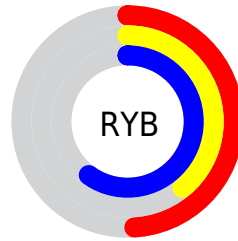
Distribution



Red (49%)

Green (39%)

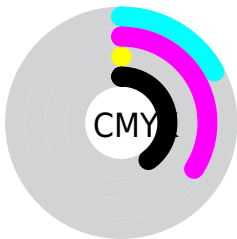
Blue (60%)



Red (49%)

Yellow (39%)

Blue (60%)

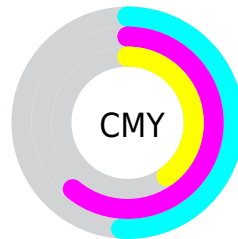


Cyan (17%)

Magenta (34%)

Yellow (0%)

Black (40%)



Cyan (51%)

Magenta (61%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8289, 15.8170, 31.7664 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 18.8289, 15.8170, 31.7664 by changing the saturation by 10% instead.

■ 18.8289, 15.8170,
31.7664

■ 18.8289, 15.8170,
31.7664

238.4588,
228.2594, 324.5136

■ 11.6500, 9.3948,
20.9198

■ 40.9639, 36.2802,
63.5383

■ 6.5763, 4.9995,
12.8747

■ 56.6507, 51.0900,
85.3008

■ 3.2425, 2.2470,
7.2126

■ 75.9041, 69.4644,
111.5389

■ 1.2833, 0.7454,
3.5150

■ 99.0896, 91.7878,
142.6712

■ 0.1707, 0.0000,
1.3632

126.5725,
118.4446, 179.1163

■ 0.0000, 0.0000,
0.1128

158.7180,

■ 0.0000, 0.0000,

149.8192, 221.2927

0.0000

195.8917,
186.2960, 269.6190

■ 18.8289, 15.8170,
31.7664

■ 18.8289, 15.8170,
31.7664

■ 16.4264, 12.6127,
31.2748

■ 21.5896, 19.6105,
32.3534

■ 14.3636, 9.9644,
30.8723

■ 24.7227, 24.0201,
33.0394

■ 12.6222, 7.8385,
30.5538

■ 28.2436, 29.0735,
33.8292

■ 11.1818, 6.1966,
30.3128

■ 32.1662, 34.7961,
34.7270

■ 10.0189, 4.9952,
30.1422

■ 36.5037, 41.2116,
35.7367

9.1054, 4.1811,
30.0332

41.2687, 48.3430,
36.8621

8.6481, 3.8035,
29.9844

46.4732, 56.2118,
38.1066

52.1287, 64.8389,
39.4738

58.2463, 74.2442,
40.9667

Harmonies

Analogous

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



16.0575, 15.8170, 37.2687



18.8289, 15.8170, 31.7664



20.7142, 15.8170, 22.8385

Triad

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



18.8289, 15.8170, 31.7664



16.8845, 15.8170, 6.3773



10.3366, 15.8170, 20.2523

Complementary

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



18.8289, 15.8170, 31.7664



22.1332, 27.8126, 16.2591

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.



10.4999, 15.8170, 12.6112



18.8289, 15.8170, 31.7664



14.0542, 15.8170, 6.0743

Square

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



18.8289, 15.8170, 31.7664



19.4987, 15.8170, 8.9905



11.7860, 15.8170, 7.9736



11.3081, 15.8170, 29.3749

Rectangle

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



18.8289, 15.8170, 31.7664



21.0904, 15.8170, 17.0310



11.7860, 15.8170, 7.9736



10.2639, 15.8170, 17.4144

Sweetspot

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



18.8294, 15.8177, 31.7668



46.0489, 45.8392, 58.8545



18.3845, 19.8987, 32.5779



10.2871, 10.1622, 13.3368



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.8294, 15.8177, 31.7668



29.9607, 23.5346, 55.3972



23.1740, 18.0574, 31.9701



6.1640, 6.1704, 7.7951



7.2869, 3.2076, 25.1428



0.1508, 0.0696, 0.3778

Inverse Universe

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



21.2725, 17.2967, 21.9567



35.0929, 26.6418, 34.7889



18.7846, 26.0863, 16.1024



6.3311, 6.2716, 7.1238



11.9668, 6.0410, 6.3504



0.1972, 0.0976, 0.1915

Previews

White Background



This preview shows how the XYZ color 18.8289, 15.8170, 31.7664 looks on a white 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

Black Background



This preview shows how the XYZ color 18.8289, 15.8170, 31.7664 looks on a black 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

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

XYZ 18.8289, 15.8170, 31.7664

Background



This preview shows how black text looks on a background with the XYZ color 18.8289, 15.8170, 31.7664.



This preview shows how white text looks on a background with the XYZ color 18.8289, 15.8170,

31.7664.

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

18.8289, 15.8170, 31.7664

Protanopia

16.4460, 15.8734, 34.9980

Deuteranopia

16.2292, 15.8486, 31.0579



Tritanopia

16.1558, 15.7694, 18.7153

Trichromacy



Original Color

18.8289, 15.8170, 31.7664

Protanomaly

17.0986, 15.7725, 33.5957

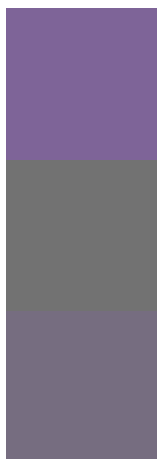
Deuteranomaly

17.0466, 15.7936, 31.4282

Tritanomaly

16.9388, 15.6232, 22.8917

Monochromacy



Original Color

18.8289, 15.8170, 31.7664

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.8361, 16.3473, 22.6901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8289, 15.8170, 31.7664 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(126, 100, 152)` looks like.

```
.text, #text, p{  
    color:rgb(126, 100, 152)  
}
```

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(126, 100, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 100, 152) }
```

Border

The CSS property to change the border of an element to XYZ 18.8289, 15.8170, 31.7664 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(126, 100, 152) }
```


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

```
.border{ border-color:rgb(126, 100, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 100, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 100, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 100, 152);  
box-shadow:4px 4px 4px 4px rgb(126, 100,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8289, 15.8170, 31.7664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 100, 152) }
```

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

```
.background{ background-color: rgb(126,  
100, 152) }
```

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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