

Converting Colors

XYZ(16.2404, 18.7346, 2.6413)

Have a look what the booklet for
XYZ(16.2404, 18.7346, 2.6413)
contains.

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Color

**XYZ(16.3196, 18.7444,
2.7579)**

Conversions

Conversions Part 1

Format	Color
Hex	837A00
RGB	131, 122, 0
RGB Percent	51%, 48%, 0%
CMY	0.4863, 0.5216, 1.0000
CMYK	0.00, 0.07, 1.00, 0.49
HSL	56°, 100%, 26%
HSV	56°, 100%, 51%
XYZ	16.3196, 18.7444, 2.7579
YIQ	110.7830, 44.5260, -36.0340

Conversions

Conversions Part 2

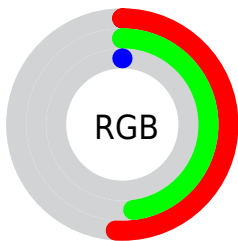
Format	Color
R_{YB}	10, 131, 0
Decimal	8616448
CIE _{Lab}	50.39, -8.25, 55.72
CIE _{LCh}	50, 56.331, 98.418
Yxy	18.7444, 0.4315, 0.4956
Android (android.graphics.Color)	4286806528 (0xFF837A00)
YUV	110.7830, -54.6160, 17.7303
Hunter-Lab	43.2948, -8.4819, 26.5296

Details

The XYZ color **16.3196, 18.7444, 2.7579** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.1945, 1.8342, 21.6054**, and the grayscale version is **15.1914, 15.9826, 17.4050**.

A 20% lighter version of the original color is **36.5837, 41.2186, 11.0288**, and **5.5907, 6.5173, 0.9633** is the 20% darker color. If you saturate the color by 10%, you get **16.3199, 18.7451, 2.7580**, and if you desaturate by 10%, it is **16.5043, 18.9966, 3.1813**.

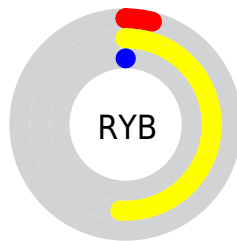
Distribution



Red (51%)

Green (48%)

Blue (0%)



Red (4%)

Yellow (51%)

Blue (0%)

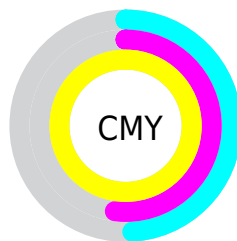


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (49%)



Cyan (49%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3196, 18.7444, 2.7579 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 16.3196, 18.7444, 2.7579 by changing the saturation by 10% instead.

■ 16.3196, 18.7444,
2.7579

■ 16.3196, 18.7444,
2.7579

224.4538,
245.0341, 133.2148

■ 9.8429, 11.4857,
0.9724

■ 36.7051, 41.3017,
11.0250

■ 5.3564, 6.3945,
0.0000

■ 51.3447, 57.3692,
18.3436

■ 2.4947, 3.0864,
0.0000

■ 69.4358, 77.1417,
28.3437

■ 0.8926, 1.1770,
0.0000

■ 91.3440, 101.0037,
41.4437


■ 0.0000, 0.0428,
0.0000


■ 117.4345,
129.3396, 58.0624


■ 0.0000, 0.0000,
0.0000


■ 148.0728,


162.5336, 78.6180


 183.6241,
200.9703, 103.5293


 16.3196, 18.7444,
2.7579


 16.3196, 18.7444,
2.7579


 16.3199, 18.7451,
2.7580

 16.5043, 18.9966,
3.1813

 16.7317, 19.2668,
3.8265

 17.0273, 19.5658,
4.8255

 17.3991, 19.8971,
6.2207

 17.8541, 20.2632,
8.0487

■ 18.3983, 20.6667,
10.3419

■ 19.0375, 21.1098,
13.1295

■ 19.7766, 21.5946,
16.4386

■ 20.6204, 22.1230,
20.2941

Harmonies

Analogous

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



21.9732, 18.7444, 3.2560



16.3196, 18.7444, 2.7579



12.0450, 18.7444, 4.7336

Triad

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



16.3196, 18.7444, 2.7579



10.7784, 18.7444, 45.4444



29.5004, 18.7444, 33.6209

Complementary

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



16.3196, 18.7444, 2.7579



4.1945, 1.8342, 21.6054

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.



25.1866, 18.7444, 54.2926



16.3196, 18.7444, 2.7579



14.2193, 18.7444, 63.2101

Square

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



16.3196, 18.7444, 2.7579



9.3030, 18.7444, 25.1464



19.4012, 18.7444, 67.0854



30.3828, 18.7444, 16.3082

Rectangle

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



16.3196, 18.7444, 2.7579



10.2718, 18.7444, 8.3463



19.4012, 18.7444, 67.0854



28.3666, 18.7444, 40.6078

Sweetspot

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



16.3200, 18.7453, 2.7583



34.0069, 37.7459, 23.1340



9.4200, 4.8494, 0.7538



7.8176, 8.7198, 4.9471



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.3200, 18.7453, 2.7583



29.1803, 33.4778, 4.9239



11.1302, 17.7862, 2.8467



5.0131, 5.3698, 5.0016



16.0655, 18.4535, 2.7151



0.0577, 0.0680, 0.0101

Inverse Universe

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



4.1945, 1.8342, 21.6054



7.4646, 3.1911, 38.6757



5.6498, 2.4395, 21.6456



4.4583, 4.5922, 5.8522



4.1296, 1.8069, 21.2678



0.0159, 0.0094, 0.0742

Previews

White Background



This preview shows how the XYZ color 16.3196, 18.7444, 2.7579 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 16.3196, 18.7444, 2.7579 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 16.3196, 18.7444, 2.7579

Background



This preview shows how black text looks on a background with the XYZ color 16.3196, 18.7444, 2.7579.



This preview shows how white text looks on a background with the XYZ color 16.3196, 18.7444,

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

16.3196, 18.7444, 2.7579

Protanopia

16.8698, 18.6672, 2.7140

Deuteranopia

19.0674, 18.7505, 3.1446



Tritanopia

19.8992, 18.6187, 20.9573

Trichromacy



Original Color

16.3196, 18.7444, 2.7579

Protanomaly

16.6689, 18.7431, 2.7392

Deuteranomaly

17.9233, 18.6760, 2.9768

Tritanomaly

17.6122, 18.1917, 9.7908

Monochromacy



Original Color

16.3196, 18.7444, 2.7579

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.7393, 16.5680, 8.3823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3196, 18.7444, 2.7579 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(131, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(131, 122, 0)  
}
```

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(131, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.3196, 18.7444, 2.7579 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(131, 122, 0) }
```


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

```
.border{ border-color:rgb(131, 122, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(131, 122,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3196, 18.7444, 2.7579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 122, 0) }
```

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

```
.background{ background-color: rgb(131,  
122, 0) }
```

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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