

Converting Colors

XYZ(16.6873, 19.9421, 4.0713)

Have a look what the booklet for
XYZ(16.6873, 19.9421, 4.0713)
contains.

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Color

**XYZ(16.6812, 20.0342,
4.0864)**

Conversions

Conversions Part 1

Format	Color
Hex	7F801C
RGB	127, 128, 28
RGB Percent	50%, 50%, 11%
CMY	0.5020, 0.4980, 0.8902
CMYK	0.01, 0.00, 0.78, 0.50
HSL	61°, 64%, 31%
HSV	61°, 78%, 50%
XYZ	16.6812, 20.0342, 4.0864
YIQ	116.3010, 31.5040, -31.3120

Conversions

Conversions Part 2

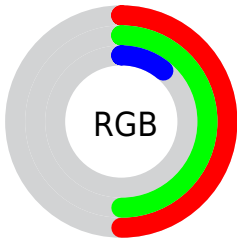
Format	Color
R_{YB}	28, 128, 29
Decimal	8355868
CIE _{Lab}	51.88, -12.63, 50.07
CIE _{LCh}	52, 51.634, 104.156
Y _{xy}	20.0342, 0.4088, 0.4910
Android (android.graphics.Color)	4286545948 (0xFF7F801C)
YUV	116.3010, -43.5324, 9.3830
Hunter-Lab	44.7596, -11.8051, 25.9187

Details

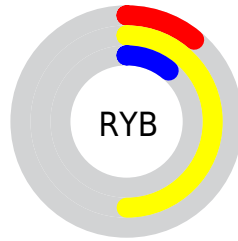
The XYZ color **16.6812, 20.0342, 4.0864** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.8188, 2.6506, 20.6809**, and the grayscale version is **16.8163, 17.6921, 19.2666**.

A 20% lighter version of the original color is **37.3005, 43.5869, 14.2318**, and **5.6200, 7.0478, 1.0642** is the 20% darker color. If you saturate the color by 10%, you get **16.5406, 19.9765, 3.4437**, and if you desaturate by 10%, it is **16.8880, 20.1199, 5.0734**.

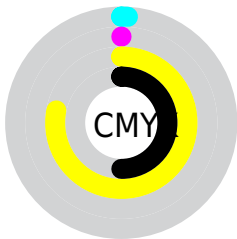
Distribution



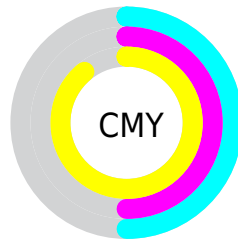
- Red (50%)
- Green (50%)
- Blue (11%)



- Red (11%)
- Yellow (50%)
- Blue (11%)



- Cyan (1%)
- Magenta (0%)
- Yellow (78%)
- Black (50%)



- Cyan (50%)
- Magenta (50%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6812, 20.0342, 4.0864 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 16.6812, 20.0342, 4.0864 by changing the saturation by 10% instead.

■ 16.6812, 20.0342,
4.0864

■ 16.6812, 20.0342,
4.0864

■ 226.5207,
252.1002, 149.1809

■ 10.1013, 12.4199,
1.6729

■ 37.3248, 43.4745,
14.2085

■ 5.5290, 7.0303,
0.3420

■ 52.1193, 60.0693,
22.7542

■ 2.5988, 3.4811,
0.0000

■ 70.3826, 80.4264,
34.1810

■ 0.9453, 1.3877,
0.0000

■ 92.4803, 104.9302,
48.9075

■ 0.0000, 0.2077,
0.0000

■ 118.7776,
133.9651, 67.3522

■ 0.0000, 0.0000,
0.0000

■ 149.6398,

167.9155, 89.9336

185.4324,
207.1657, 117.0704

16.6812, 20.0342,
4.0864

16.6812, 20.0342,
4.0864

16.5406, 19.9765,
3.4437

16.8880, 20.1199,
5.0734

16.4470, 19.9368,
3.0504

17.1669, 20.2337,
6.4422

16.4302, 19.9297,
2.9809

17.5249, 20.3791,
8.2270

17.9675, 20.5583,
10.4576

18.5000, 20.7736,
13.1612

■ 19.1271, 21.0266,
16.3628

■ 19.8532, 21.3193,
20.0858

■ 20.6825, 21.6532,
24.3520

■ 21.6188, 22.0300,
29.1817

Harmonies

Analogous

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



21.9293, 20.0342, 4.1589



16.6812, 20.0342, 4.0864



12.8468, 20.0342, 6.9640

Triad

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



16.6812, 20.0342, 4.0864



12.6859, 20.0342, 48.7429



30.4806, 20.0342, 30.6848

Complementary

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



16.6812, 20.0342, 4.0864



4.8188, 2.6506, 20.6809

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.



26.9638, 20.0342, 49.7785



16.6812, 20.0342, 4.0864



16.4198, 20.0342, 63.0483

Square

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



16.6812, 20.0342, 4.0864



10.8437, 20.0342, 29.6644



21.6154, 20.0342, 63.4963



30.5859, 20.0342, 15.4871

Rectangle

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



16.6812, 20.0342, 4.0864



11.3333, 20.0342, 11.4927



21.6154, 20.0342, 63.4963



29.6329, 20.0342, 36.9767

Sweetspot

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



16.6817, 20.0351, 4.0868



33.0562, 36.7691, 25.6487



9.5276, 5.5040, 1.6591



7.6616, 8.5773, 5.6087



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.6817, 20.0351, 4.0868



28.9936, 35.1158, 5.5355



11.0715, 17.1430, 3.8243



4.6612, 5.0173, 4.6429



16.2908, 19.7606, 2.9556



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.8188, 2.6506, 20.6809



7.1128, 3.0346, 36.1671



7.4541, 4.0092, 20.8043



4.1125, 4.2136, 5.4098



3.8795, 1.5536, 20.3454



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.6812, 20.0342, 4.0864 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 16.6812, 20.0342, 4.0864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

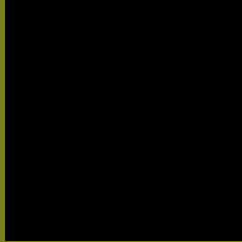
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6812, 20.0342, 4.0864

Background



This preview shows how black text looks on a background with the XYZ color 16.6812, 20.0342, 4.0864.



This preview shows how white text looks on a background with the XYZ color 16.6812, 20.0342,

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

16.6812, 20.0342, 4.0864

Protanopia

18.0529, 19.9834, 3.9426

Deuteranopia

20.1534, 19.8009, 4.1986



Tritanopia

20.5509, 19.9295, 23.5325

Trichromacy



Original Color

16.6812, 20.0342, 4.0864

Protanomaly

17.5231, 19.8973, 3.9539

Deuteranomaly

18.7617, 19.7934, 4.1280

Tritanomaly

18.4070, 19.5973, 12.9377

Monochromacy



Original Color

16.6812, 20.0342, 4.0864

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.0624, 18.0661, 11.0280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6812, 20.0342, 4.0864 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(127, 128, 28)` looks like.

```
.text, #text, p{  
    color:rgb(127, 128, 28)  
}
```

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(127, 128, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 128, 28) }
```

Border

The CSS property to change the border of an element to XYZ 16.6812, 20.0342, 4.0864 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(127, 128, 28) }
```


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

```
.border{ border-color:rgb(127, 128, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 128, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 128, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 128, 28);  
box-shadow:4px 4px 4px 4px rgb(127, 128,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6812, 20.0342, 4.0864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 128, 28) }
```

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

```
.background{ background-color: rgb(127,  
128, 28) }
```

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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