

Converting Colors

XYZ(20.2822, 15.6815, 1.9579)

Have a look what the booklet for
XYZ(20.2822, 15.6815, 1.9579)
contains.

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Color

**XYZ(20.2843, 15.6374,
1.9492)**

Conversions

Conversions Part 1

Format	Color
Hex	AB5800
RGB	171, 88, 0
RGB Percent	67%, 35%, 0%
CMY	0.3294, 0.6549, 1.0000
CMYK	0.00, 0.49, 1.00, 0.33
HSL	31°, 100%, 34%
HSV	31°, 100%, 67%
XYZ	20.2843, 15.6374, 1.9492
YIQ	102.7850, 77.7160, -9.7720

Conversions

Conversions Part 2

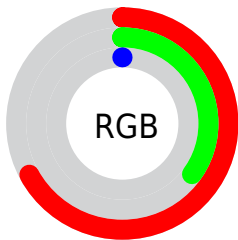
Format	Color
R_{YB}	161, 171, 0
Decimal	11229184
CIE _{Lab}	46.50, 29.42, 55.43
CIE _{LCh}	46, 62.755, 62.041
Yxy	15.6374, 0.5356, 0.4129
Android (android.graphics.Color)	4289419264 (0xFFAB5800)
YUV	102.7850, -50.6730, 59.8246
Hunter-Lab	39.5442, 22.3599, 24.7584

Details

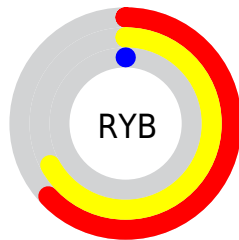
The XYZ color **20.2843, 15.6374, 1.9492** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.4437, 9.1263, 39.7388**, and the grayscale version is **12.9511, 13.6256, 14.8383**.

A 20% lighter version of the original color is **43.3269, 35.9473, 8.9299**, and **7.4409, 4.9623, 0.5656** is the 20% darker color. If you saturate the color by 10%, you get **20.2845, 15.6380, 1.9493**, and if you desaturate by 10%, it is **21.1072, 17.1202, 2.7266**.

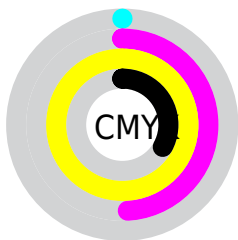
Distribution



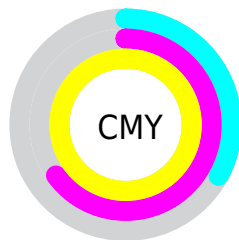
- Red (67%)
- Green (35%)
- Blue (0%)



- Red (63%)
- Yellow (67%)
- Blue (0%)



- Cyan (0%)
- Magenta (49%)
- Yellow (100%)
- Black (33%)





- Cyan (33%)
- Magenta (65%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2843, 15.6374, 1.9492 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 20.2843, 15.6374, 1.9492 by changing the saturation by 10% instead.


 20.2843, 15.6374,
1.9492


 20.2843, 15.6374,
1.9492


 246.2544,
227.1925, 121.5829

 12.7113, 9.2679,
0.5238


 43.3936, 35.9676,
8.9014


 7.3057, 4.9164,
0.0000


 59.6607, 50.6970,
15.3290


 3.7020, 2.1983,
0.0000


 79.5566, 68.9820,
24.2823

 1.5350, 0.7191,
0.0000

 103.4465, 91.2068,
36.1798

 0.3495, 0.0000,
0.0000


 131.6959,
117.7559, 51.4401


 0.0000, 0.0000,
0.0000


 164.6701,


149.0136, 70.4816


 202.7345,
185.3643, 93.7231


 20.2843, 15.6374,
1.9492


 20.2843, 15.6374,
1.9492


 20.2845, 15.6380,
1.9493

 21.1072, 17.1202,
2.7266

 22.0975, 18.7974,
3.9924

 23.2931, 20.6885,
5.9327

 24.7123, 22.8045,
8.6328

 26.3709, 25.1552,
12.1651

■ 28.2830, 27.7496,
16.5933

■ 30.4613, 30.5961,
21.9751

■ 32.9177, 33.7025,
28.3632

■ 35.6633, 37.0762,
35.8063

Harmonies

Analogous

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



25.5215, 15.6374, 5.6180



20.2843, 15.6374, 1.9492



14.4960, 15.6374, 1.2431

Triad

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



20.2843, 15.6374, 1.9492



6.7112, 15.6374, 18.1082



21.0830, 15.6374, 56.7428

Complementary

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



20.2843, 15.6374, 1.9492



10.4437, 9.1263, 39.7388

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.



15.2359, 15.6374, 67.4190



20.2843, 15.6374, 1.9492



7.6820, 15.6374, 38.1884

Square

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



20.2843, 15.6374, 1.9492



7.4462, 15.6374, 6.5407



10.5053, 15.6374, 59.1398



26.0557, 15.6374, 35.1293

Rectangle

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



20.2843, 15.6374, 1.9492



11.2956, 15.6374, 1.6589



10.5053, 15.6374, 59.1398



19.1118, 15.6374, 62.1670

Sweetspot

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



20.2846, 15.6383, 1.9495



54.3350, 54.5135, 38.7988



18.4542, 9.3218, 9.5258



11.7500, 11.6811, 7.7335



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.2846, 15.6383, 1.9495



36.1153, 27.5799, 3.4200



31.3572, 37.7834, 5.6403



8.3333, 8.6714, 8.4479



15.3446, 11.8947, 1.4872



0.4814, 0.4400, 0.0595

Inverse Universe

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



10.4437, 9.1263, 39.7388



18.4931, 15.9228, 71.1006



7.3507, 2.9403, 38.7078



7.8877, 8.3747, 10.1535



7.9253, 6.9845, 29.9749



0.2754, 0.3042, 0.8522

Previews

White Background



This preview shows how the XYZ color 20.2843, 15.6374, 1.9492 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 20.2843, 15.6374, 1.9492 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 20.2843, 15.6374, 1.9492

Background



This preview shows how black text looks on a background with the XYZ color 20.2843, 15.6374, 1.9492.



This preview shows how white text looks on a background with the XYZ color 20.2843, 15.6374,

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

20.2843, 15.6374, 1.9492

Protanopia

14.2281, 15.7633, 2.7447

Deuteranopia

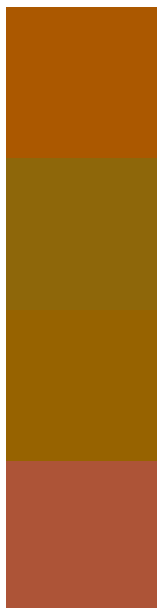
15.8668, 15.6786, 2.1900



Tritanopia

22.1932, 15.7214, 10.8816

Trichromacy



Original Color

20.2843, 15.6374, 1.9492

Protanomaly

16.0604, 15.4732, 2.4273

Deuteranomaly

17.2243, 15.5030, 2.0846

Tritanomaly

21.0935, 15.5007, 5.4946

Monochromacy



Original Color

20.2843, 15.6374, 1.9492

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.2531, 13.7179, 7.0509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2843, 15.6374, 1.9492 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(171, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 88, 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(171, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 88, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.2843, 15.6374, 1.9492 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(171, 88, 0) }
```


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

```
.border{ border-color:rgb(171, 88, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 88, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 88, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.2843, 15.6374, 1.9492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 88, 0) }
```

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

```
.background{ background-color: rgb(171, 88,  
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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