

Converting Colors

XYZ(20.6167, 14.0594, 3.1719)

Have a look what the booklet for
XYZ(20.6167, 14.0594, 3.1719)
contains.

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Color

**XYZ(20.5106, 13.9803,
3.1308)**

Conversions

Conversions Part 1

Format	Color
Hex	B04822
RGB	176, 72, 34
RGB Percent	69%, 28%, 13%
CMY	0.3098, 0.7176, 0.8667
CMYK	0.00, 0.59, 0.81, 0.31
HSL	16°, 68%, 41%
HSV	16°, 81%, 69%
XYZ	20.5106, 13.9803, 3.1308
YIQ	98.7640, 74.1820, 10.2300

Conversions

Conversions Part 2

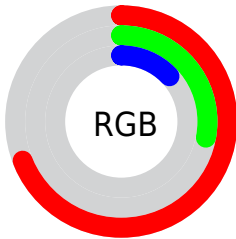
Format	Color
R_{YB}	176, 86, 34
Decimal	11552802
CIE Lab	44.20, 40.40, 42.53
CIE LCh	44, 58.660, 46.469
Yxy	13.9803, 0.5452, 0.3716
Android (android.graphics.Color)	4289742882 (0xFFB04822)
YUV	98.7640, -31.9287, 67.7360
Hunter-Lab	37.3902, 32.4841, 21.2086

Details

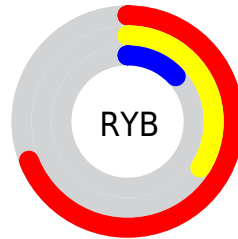
The XYZ color **20.5106, 13.9803, 3.1308** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **17.5838, 21.6500, 44.3262**, and the grayscale version is **11.8655, 12.4835, 13.5945**.

A 20% lighter version of the original color is **43.6179, 33.0139, 11.8580**, and **7.5524, 4.2145, 0.4154** is the 20% darker color. If you saturate the color by 10%, you get **19.5709, 12.4086, 1.8697**, and if you desaturate by 10%, it is **21.7556, 15.9550, 5.1349**.

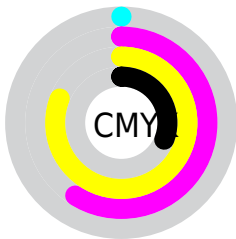
Distribution



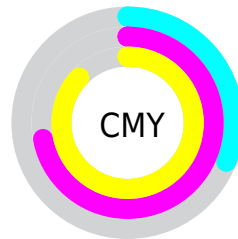
- Red (69%)
- Green (28%)
- Blue (13%)



- Red (69%)
- Yellow (34%)
- Blue (13%)



- Cyan (0%)
- Magenta (59%)
- Yellow (81%)
- Black (31%)



- Cyan (31%)
- Magenta (72%)
- Yellow (87%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5106, 13.9803, 3.1308 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 20.5106, 13.9803, 3.1308 by changing the saturation by 10% instead.

■ 20.5106, 13.9803,
3.1308

■ 20.5106, 13.9803,
3.1308

247.4473,
217.1082, 138.0095

■ 12.8772, 8.1070,
1.1618

■ 43.7690, 33.0541,
11.9495

■ 7.4204, 4.1635,
0.0000

■ 60.1248, 47.0233,
19.6363

■ 3.7750, 1.7654,
0.0000

■ 80.1186, 64.4599,
30.0662

■ 1.5757, 0.4655,
0.0000

■ 104.1159, 85.7484,
43.6575


■ 0.3765, 0.0000,
0.0000


■ 132.4821,
111.2731, 60.8290


■ 0.0000, 0.0000,
0.0000


■ 165.5825,


141.4183, 81.9992


 203.7824,
176.5686, 107.5865


 20.5106, 13.9803,
3.1308


 20.5106, 13.9803,
3.1308


 19.5709, 12.4086,
1.8697


 21.7556, 15.9550,
5.1349

 18.9251, 11.2715,
1.1782

 23.3324, 18.3574,
7.9766

 25.2656, 21.2129,
11.7371

 27.5766, 24.5439,
16.4877

 30.2854, 28.3715,
22.2927

■ 33.4104, 32.7153,
29.2106

■ 36.9686, 37.5938,
37.2961

■ 40.9763, 43.0247,
46.5998

■ 45.4489, 49.0247,
57.1696

Harmonies

Analogous

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



23.9379, 13.9803, 9.0153



20.5106, 13.9803, 3.1308



15.5096, 13.9803, 1.3923

Triad

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



20.5106, 13.9803, 3.1308



6.3112, 13.9803, 9.9474



16.0098, 13.9803, 55.8054

Complementary

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



20.5106, 13.9803, 3.1308



17.5838, 21.6500, 44.3262

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.



11.2891, 13.9803, 56.6238



20.5106, 13.9803, 3.1308



6.3843, 13.9803, 23.7734

Square

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



20.5106, 13.9803, 3.1308



7.7669, 13.9803, 3.4684



7.9976, 13.9803, 42.6455



20.9502, 13.9803, 40.8125

Rectangle

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



20.5106, 13.9803, 3.1308



12.2982, 13.9803, 1.2833



7.9976, 13.9803, 42.6455



14.3292, 13.9803, 57.9592

Sweetspot

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



20.5109, 13.9811, 3.1310



58.3863, 56.2777, 48.0448



23.0736, 12.2130, 25.2366



12.2286, 11.6055, 9.4734



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.5109, 13.9811, 3.1310



34.4862, 20.7067, 2.3769



27.9956, 28.9504, 5.6259



8.6753, 8.8630, 8.9060



13.9281, 8.3547, 0.8785



0.4874, 0.3612, 0.0440

Inverse Universe

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



17.5838, 21.6500, 44.3262



28.6584, 34.4483, 79.6340



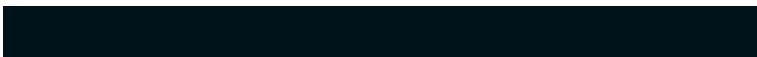
10.5113, 7.5049, 41.9687



8.5464, 9.2391, 10.8392



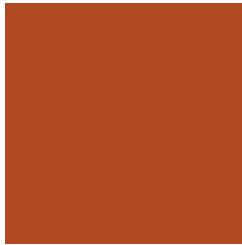
11.5495, 13.8994, 32.2111



0.4083, 0.5272, 1.0285

Previews

White Background



This preview shows how the XYZ color 20.5106, 13.9803, 3.1308 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



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 20.5106, 13.9803, 3.1308

Background



This preview shows how black text looks on a background with the XYZ color 20.5106, 13.9803, 3.1308.



This preview shows how white text looks on a background with the XYZ color 20.5106, 13.9803,

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

20.5106, 13.9803, 3.1308

Protanopia

12.8237, 14.0595, 4.3234

Deuteranopia

14.2484, 14.0901, 2.8884



Tritanopia

21.3683, 13.9492, 7.6971

Trichromacy



Original Color

20.5106, 13.9803, 3.1308

Protanomaly

14.7786, 13.3852, 3.8122

Deuteranomaly

16.0785, 13.6921, 2.8940

Tritanomaly

21.0233, 13.9088, 5.5796

Monochromacy



Original Color

20.5106, 13.9803, 3.1308

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.5948, 12.1648, 8.2881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5106, 13.9803, 3.1308 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(176, 72, 34)` looks like.

```
.text, #text, p{  
    color:rgb(176, 72, 34)  
}
```

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(176, 72, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 72, 34) }
```

Border

The CSS property to change the border of an element to XYZ 20.5106, 13.9803, 3.1308 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(176, 72, 34) }
```


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

```
.border{ border-color:rgb(176, 72, 34) }
```

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

Here you see how a box with a 4 pixel rgb(176, 72, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 72, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 72, 34);  
box-shadow:4px 4px 4px 4px rgb(176, 72,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5106, 13.9803, 3.1308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 72, 34) }
```

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

```
.background{ background-color: rgb(176, 72,  
34) }
```

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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