

Converting Colors

XYZ(20.7350, 16.2884, 5.1186)

Have a look what the booklet for
XYZ(20.7350, 16.2884, 5.1186)
contains.

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Color

**XYZ(20.7651, 16.3196,
5.0732)**

Conversions

Conversions Part 1

Format	Color
Hex	A95C32
RGB	169, 92, 50
RGB Percent	66%, 36%, 20%
CMY	0.3373, 0.6392, 0.8039
CMYK	0.00, 0.46, 0.70, 0.34
HSL	21°, 54%, 43%
HSV	21°, 70%, 66%
XYZ	20.7651, 16.3196, 5.0732
YIQ	110.2350, 59.3740, 3.2620

Conversions

Conversions Part 2

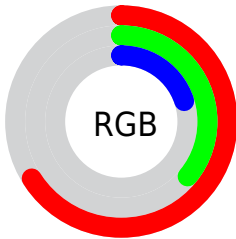
Format	Color
RYB	169, 115, 50
Decimal	11099186
CIELab	47.39, 27.90, 37.33
CIELCh	47, 46.604, 53.221
Yxy	16.3196, 0.4926, 0.3871
Android (android.graphics.Color)	4289289266 (0xFFA95C32)
YUV	110.2350, -29.6959, 51.5369
Hunter-Lab	40.3975, 21.0567, 20.8325

Details

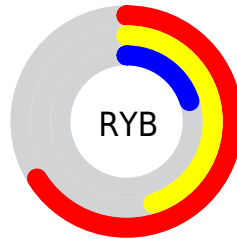
The XYZ color **20.7651, 16.3196, 5.0732** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.0658, 18.7205, 40.3027**, and the grayscale version is **14.9597, 15.7388, 17.1396**.

A 20% lighter version of the original color is **44.0220, 37.0207, 16.3808**, and **7.5992, 5.2527, 0.6995** is the 20% darker color. If you saturate the color by 10%, you get **19.5857, 14.4407, 3.2014**, and if you desaturate by 10%, it is **22.2166, 18.5276, 7.7000**.

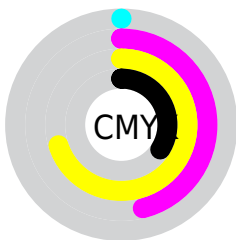
Distribution



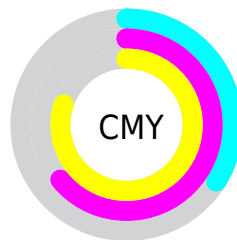
- Red (66%)
- Green (36%)
- Blue (20%)



- Red (66%)
- Yellow (45%)
- Blue (20%)



- Cyan (0%)
- Magenta (46%)
- Yellow (70%)
- Black (34%)





- Cyan (34%)
- Magenta (64%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7651, 16.3196, 5.0732 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 20.7651, 16.3196, 5.0732 by changing the saturation by 10% instead.


 20.7651, 16.3196,
5.0732


 20.7651, 16.3196,
5.0732

248.7829,
231.2203, 159.4966


 13.0639, 9.7506,
2.2308


 44.1905, 37.1522,
16.4177


 7.5499, 5.2339,
0.6920


 60.6454, 52.1845,
25.7568


 3.8577, 2.3851,
0.0000


 80.7489, 70.8067,
38.0987

 1.6219, 0.8182,
0.0000

 104.8663, 93.4033,
53.8617

 0.4066, 0.0000,
0.0000

 133.3631,
120.3585, 73.4644

 0.0000, 0.0000,
0.0000

 166.6046,

152.0568, 97.3255

204.9560,
188.8826, 125.8633

■ 20.7651, 16.3196,
5.0732

■ 20.7651, 16.3196,
5.0732

■ 19.5857, 14.4407,
3.2014

■ 22.2166, 18.5276,
7.7000

■ 18.6558, 12.8703,
1.9991

■ 23.9578, 21.0783,
11.1526

■ 17.9599, 11.6305,
1.2983

■ 26.0060, 23.9877,
15.4948

■ 28.3766, 27.2698,
20.7836

■ 31.0841, 30.9378,
27.0714

■ 34.1417, 35.0044,
34.4064

■ 37.5621, 39.4814,
42.8341

■ 41.3574, 44.3803,
52.3970

■ 45.5388, 49.7120,
63.1353

Harmonies

Analogous

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



24.0082, 16.3196, 10.2293



20.7651, 16.3196, 5.0732



16.4671, 16.3196, 3.4060

Triad

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



20.7651, 16.3196, 5.0732



8.8894, 16.3196, 15.2190



18.8558, 16.3196, 47.9132

Complementary

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



20.7651, 16.3196, 5.0732



16.0658, 18.7205, 40.3027

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.



14.5932, 16.3196, 51.2472



20.7651, 16.3196, 5.0732



9.3009, 16.3196, 28.3227

Square

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



20.7651, 16.3196, 5.0732



9.9831, 16.3196, 7.3386



11.2280, 16.3196, 42.9011



22.7763, 16.3196, 35.1488

Rectangle

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



20.7651, 16.3196, 5.0732



13.7659, 16.3196, 3.5556



11.2280, 16.3196, 42.9011



17.3983, 16.3196, 50.3537

Sweetspot

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



20.7655, 16.3205, 5.0735



55.1764, 54.7452, 47.3194



21.3565, 12.2578, 21.4390



11.7386, 11.5447, 9.6398



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.7655, 16.3205, 5.0735



34.1762, 24.3641, 4.4984



28.0287, 30.8468, 7.4946



7.7397, 7.9594, 7.9177



13.4318, 8.7609, 0.9831



0.3749, 0.3093, 0.0399

Inverse Universe

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



16.0658, 18.7205, 40.3027



25.1233, 28.6921, 71.4391



10.5350, 7.6590, 38.4591



7.5214, 8.0797, 9.5815



9.4925, 10.4451, 29.4913



0.2763, 0.3449, 0.7327

Previews

White Background



This preview shows how the XYZ color 20.7651, 16.3196, 5.0732 looks on a white background.

Color Contrast Check

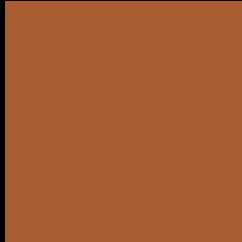
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7651, 16.3196, 5.0732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

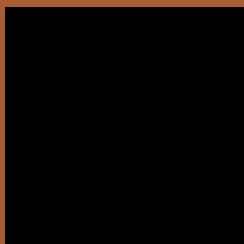
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7651, 16.3196, 5.0732

Background



This preview shows how black text looks on a background with the XYZ color 20.7651, 16.3196, 5.0732.



This preview shows how white text looks on a background with the XYZ color 20.7651, 16.3196,

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

20.7651, 16.3196, 5.0732

Protanopia

15.1011, 16.4656, 6.2532

Deuteranopia

16.5661, 16.2881, 4.8556



Tritanopia

22.1786, 16.2646, 12.3264

Trichromacy



Original Color

20.7651, 16.3196, 5.0732

Protanomaly

16.7019, 16.0322, 5.7043

Deuteranomaly

18.0270, 16.2873, 4.8830

Tritanomaly

21.4895, 16.2266, 9.0206

Monochromacy



Original Color

20.7651, 16.3196, 5.0732

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.9718, 15.2304, 11.3305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7651, 16.3196, 5.0732 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(169, 92, 50)` looks like.

```
.text, #text, p{  
    color:rgb(169, 92, 50)  
}
```

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(169, 92, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 92, 50) }
```

Border

The CSS property to change the border of an element to XYZ 20.7651, 16.3196, 5.0732 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(169, 92, 50) }
```


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

```
.border{ border-color:rgb(169, 92, 50) }
```

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

Here you see how a box with a 4 pixel rgb(169, 92, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 92, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 92, 50);  
box-shadow:4px 4px 4px 4px rgb(169, 92,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7651, 16.3196, 5.0732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 92, 50) }
```

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

```
.background{ background-color: rgb(169, 92,  
50) }
```

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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