

Converting Colors

XYZ(20.0774, 16.0200, 5.8187)

Have a look what the booklet for
XYZ(20.0774, 16.0200, 5.8187)
contains.

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Color

**XYZ(20.1452, 16.1136,
5.7898)**

Conversions

Conversions Part 1

Format	Color
Hex	A55D38
RGB	165, 93, 56
RGB Percent	65%, 36%, 22%
CMY	0.3529, 0.6353, 0.7804
CMYK	0.00, 0.44, 0.66, 0.35
HSL	20°, 49%, 43%
HSV	20°, 66%, 65%
XYZ	20.1452, 16.1136, 5.7898
YIQ	110.3100, 54.7890, 3.7570

Conversions

Conversions Part 2

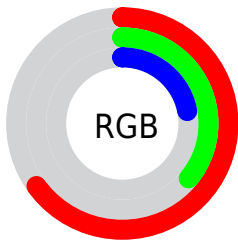
Format	Color
R_{YB}	165, 112, 56
Decimal	10837304
CIE Lab	47.12, 26.03, 33.62
CIE LCh	47, 42.523, 52.255
Yxy	16.1136, 0.4791, 0.3832
Android (android.graphics.Color)	4289027384 (0xFFA55D38)
YUV	110.3100, -26.7748, 47.9631
Hunter-Lab	40.1417, 19.3324, 19.5476

Details

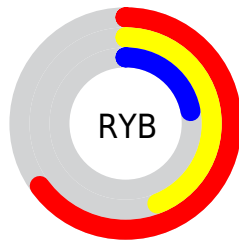
The XYZ color **20.1452, 16.1136, 5.7898** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.1409, 18.9944, 38.4126**, and the grayscale version is **14.9742, 15.7540, 17.1561**.

A 20% lighter version of the original color is **43.2124, 36.7933, 17.9210**, and **7.1831, 5.0891, 0.9203** is the 20% darker color. If you saturate the color by 10%, you get **18.9169, 14.1998, 3.7071**, and if you desaturate by 10%, it is **21.6437, 18.3550, 8.6190**.

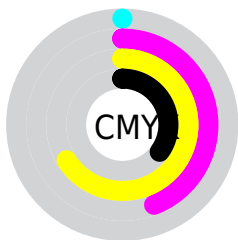
Distribution



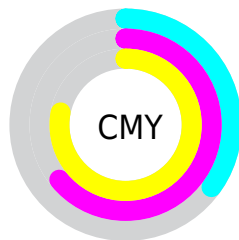
- Red (65%)
- Green (36%)
- Blue (22%)



- Red (65%)
- Yellow (44%)
- Blue (22%)



- Cyan (0%)
- Magenta (44%)
- Yellow (66%)
- Black (35%)





- Cyan (35%)
- Magenta (64%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1452, 16.1136, 5.7898 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 20.1452, 16.1136, 5.7898 by changing the saturation by 10% instead.


 20.1452, 16.1136,
5.7898


 20.1452, 16.1136,
5.7898


245.5187,
230.0111, 166.4206


 12.6095, 9.6046,
2.6510


 43.1626, 36.7953,
17.9631


 7.2353, 5.1376,
0.9186


 59.3750, 51.7368,
27.8346


 3.6574, 2.3282,
0.0000

 79.2103, 70.2579,
40.7875

 1.5102, 0.7886,
0.0000

 103.0340, 92.7429,
57.2403

 0.3327, 0.0000,
0.0000

 131.2113,
119.5764, 77.6114

 0.0000, 0.0000,
0.0000

 164.1076,

151.1427, 102.3195

202.0883,
187.8261, 131.7830

■ 20.1452, 16.1136,
5.7898

■ 20.1452, 16.1136,
5.7898

■ 18.9169, 14.1998,
3.7071

■ 21.6437, 18.3550,
8.6190

■ 17.9381, 12.5942,
2.2961

■ 23.4283, 20.9369,
12.2578

■ 17.1847, 11.2779,
1.4578

■ 25.5151, 23.8747,
16.7634

■ 16.9319, 10.8292,
1.1978

■ 27.9185, 27.1818,
22.1877

■ 30.6518, 30.8711,
28.5784

■ 33.7277, 34.9546,
35.9798

■ 37.1580, 39.4439,
44.4336

■ 40.9540, 44.3501,
53.9790

■ 45.1265, 49.6838,
64.6533

Harmonies

Analogous

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



22.9691, 16.1136, 10.8519



20.1452, 16.1136, 5.7898



16.3037, 16.1136, 4.0383

Triad

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



20.1452, 16.1136, 5.7898



9.2451, 16.1136, 14.9169



18.1993, 16.1136, 44.2909

Complementary

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



20.1452, 16.1136, 5.7898



16.1409, 18.9944, 38.4126

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.



14.3680, 16.1136, 46.8304



20.1452, 16.1136, 5.7898



9.5845, 16.1136, 26.5432

Square

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



20.1452, 16.1136, 5.7898



10.3101, 16.1136, 7.7268



11.3269, 16.1136, 39.3488



21.7244, 16.1136, 33.3852

Rectangle

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



20.1452, 16.1136, 5.7898



13.8413, 16.1136, 4.1448



11.3269, 16.1136, 39.3488



16.8909, 16.1136, 46.2917

Sweetspot

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



20.1456, 16.1144, 5.7901



52.7137, 52.3576, 46.0360



20.8715, 12.4038, 21.9470



11.2420, 11.0650, 9.4059



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.1456, 16.1144, 5.7901



33.0571, 24.1032, 5.3909



26.6385, 29.1003, 7.9544



7.2612, 7.4608, 7.4375



12.8517, 8.2772, 0.9203



0.3124, 0.2587, 0.0335

Inverse Universe

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



16.1409, 18.9944, 38.4126



25.2595, 29.4526, 68.1059



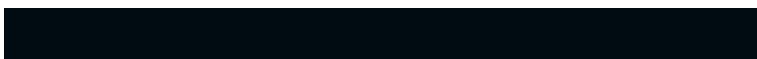
10.8824, 8.4773, 36.6597



7.0726, 7.6043, 8.9981



9.3211, 10.4217, 28.4501



0.2369, 0.3011, 0.6115

Previews

White Background



This preview shows how the XYZ color 20.1452, 16.1136, 5.7898 looks on a white background.

Color Contrast Check

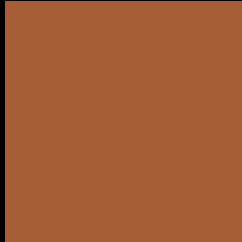
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1452, 16.1136, 5.7898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

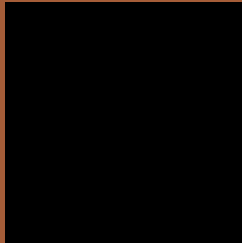
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.1452, 16.1136, 5.7898

Background



This preview shows how black text looks on a background with the XYZ color 20.1452, 16.1136, 5.7898.



This preview shows how white text looks on a background with the XYZ color 20.1452, 16.1136,

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

20.1452, 16.1136, 5.7898

Protanopia

14.8598, 16.1582, 7.0383

Deuteranopia

16.5478, 16.2614, 5.6348



Tritanopia

21.4916, 16.0212, 12.7861

Trichromacy



Original Color

20.1452, 16.1136, 5.7898

Protanomaly

16.3484, 15.8327, 6.4693

Deuteranomaly

17.6300, 16.0650, 5.6617

Tritanomaly

20.8673, 16.0134, 9.7757

Monochromacy



Original Color

20.1452, 16.1136, 5.7898

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.0017, 15.3846, 11.7990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1452, 16.1136, 5.7898 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(165, 93, 56)` looks like.

```
.text, #text, p{  
    color:rgb(165, 93, 56)  
}
```

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(165, 93, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 93, 56) }
```

Border

The CSS property to change the border of an element to XYZ 20.1452, 16.1136, 5.7898 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(165, 93, 56) }
```


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

```
.border{ border-color:rgb(165, 93, 56) }
```

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

Here you see how a box with a 4 pixel rgb(165, 93, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 93, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 93, 56);  
box-shadow:4px 4px 4px 4px rgb(165, 93,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1452, 16.1136, 5.7898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 93, 56) }
```

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

```
.background{ background-color: rgb(165, 93,  
56) }
```

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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