

Converting Colors

XYZ(20.1894, 16.4868, 7.7411)

Have a look what the booklet for
XYZ(20.1894, 16.4868, 7.7411)
contains.

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Color

**XYZ(20.1573, 16.4768,
7.7482)**

Conversions

Conversions Part 1

Format	Color
Hex	A26045
RGB	162, 96, 69
RGB Percent	64%, 38%, 27%
CMY	0.3647, 0.6235, 0.7294
CMYK	0.00, 0.41, 0.57, 0.36
HSL	17°, 40%, 45%
HSV	17°, 57%, 64%
XYZ	20.1573, 16.4768, 7.7482
YIQ	112.6560, 48.0030, 5.5950

Conversions

Conversions Part 2

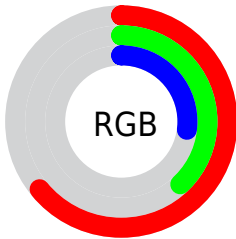
Format	Color
R_{YB}	162, 107, 69
Decimal	10641477
CIE _{Lab}	47.59, 24.06, 26.77
CIE _{LCh}	48, 35.991, 48.046
Yxy	16.4768, 0.4542, 0.3712
Android (android.graphics.Color)	4288831557 (0xFFA26045)
YUV	112.6560, -21.5224, 43.2747
Hunter-Lab	40.5916, 17.6056, 17.0968

Details

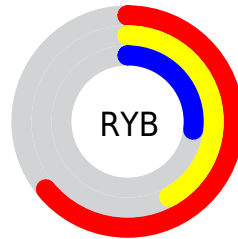
The XYZ color **20.1573, 16.4768, 7.7482** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.6392, 21.2006, 37.3446**, and the grayscale version is **15.6463, 16.4611, 17.9262**.

A 20% lighter version of the original color is **43.2189, 37.3911, 22.0789**, and **7.1763, 5.2483, 1.5545** is the 20% darker color. If you saturate the color by 10%, you get **18.7482, 14.3565, 5.1272**, and if you desaturate by 10%, it is **21.8579, 18.9605, 11.1440**.

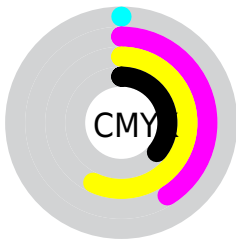
Distribution



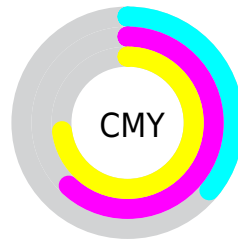
- Red (64%)
- Green (38%)
- Blue (27%)



- Red (64%)
- Yellow (42%)
- Blue (27%)



- Cyan (0%)
- Magenta (41%)
- Yellow (57%)
- Black (36%)



- Cyan (36%)
- Magenta (62%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1573, 16.4768, 7.7482 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 20.1573, 16.4768, 7.7482 by changing the saturation by 10% instead.

■ 20.1573, 16.4768,
7.7482

■ 20.1573, 16.4768,
7.7482

245.5828,
232.1390, 183.6037

■ 12.6184, 9.8622,
3.8488

■ 43.1827, 37.4240,
22.0013

■ 7.2415, 5.3077,
1.5428

■ 59.3998, 52.5254,
33.1920

■ 3.6612, 2.4289,
0.2495

■ 79.2405, 71.2244,
47.6503

■ 1.5123, 0.8407,
0.0000

■ 103.0699, 93.9056,
65.7947

■ 0.3342, 0.0000,
0.0000

■ 131.2535,
120.9532, 88.0437

■ 0.0000, 0.0000,
0.0000

164.1566,

152.7517, 114.8158

202.1446,
189.6855, 146.5296

■ 20.1573, 16.4768,
7.7482

■ 20.1573, 16.4768,
7.7482

■ 18.7482, 14.3565,
5.1272

■ 21.8579, 18.9605,
11.1440

■ 17.6113, 12.5792,
3.2174

■ 23.8653, 21.8217,
15.3694

■ 16.7265, 11.1262,
1.9467

■ 26.1949, 25.0766,
20.4752

■ 16.0647, 9.9735,
1.1990

■ 28.8607, 28.7397,
26.5077

■ 15.9183, 9.7175,
1.0367

■ 31.8760, 32.8249,
33.5103

■ 35.2532, 37.3452,
41.5234

■ 39.0042, 42.3133,
50.5850

■ 43.1401, 47.7412,
60.7313

■ 47.6718, 53.6403,
71.9968

Harmonies

Analogous

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



22.2887, 16.4768, 13.0052



20.1573, 16.4768, 7.7482



16.9735, 16.4768, 5.6129

Triad

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



20.1573, 16.4768, 7.7482



10.3677, 16.4768, 14.5244



17.6505, 16.4768, 40.5263

Complementary

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



20.1573, 16.4768, 7.7482



17.6392, 21.2006, 37.3446

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.



14.4174, 16.4768, 41.3687



20.1573, 16.4768, 7.7482



10.4972, 16.4768, 23.9887

Square

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



20.1573, 16.4768, 7.7482



11.5065, 16.4768, 8.5318



11.8881, 16.4768, 34.5473



20.7109, 16.4768, 32.5327

Rectangle

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



20.1573, 16.4768, 7.7482



14.8130, 16.4768, 5.5171



11.8881, 16.4768, 34.5473



16.5401, 16.4768, 41.7349

Sweetspot

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



20.1577, 16.4776, 7.7485



52.4380, 52.2338, 48.2214



21.4474, 13.7053, 24.6773



11.5607, 11.4357, 10.3346



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.



20.1577, 16.4776, 7.7485



33.3868, 25.0624, 8.1723



25.6250, 27.4123, 9.5710



7.2336, 7.4055, 7.4282



12.5741, 7.7221, 0.8278



0.3029, 0.2397, 0.0303

Inverse Universe

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



17.6392, 21.2006, 37.3446



28.2938, 34.3478, 67.1947



12.5608, 11.0438, 35.6517



7.1016, 7.6621, 9.0077



10.0026, 11.7845, 28.6772



0.2477, 0.3226, 0.6151

Previews

White Background



This preview shows how the XYZ color 20.1573, 16.4768, 7.7482 looks on a white background.

Color Contrast Check

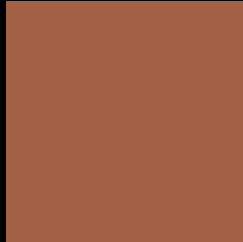
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1573, 16.4768, 7.7482 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 20.1573, 16.4768, 7.7482

Background



This preview shows how black text looks on a background with the XYZ color 20.1573, 16.4768, 7.7482.



This preview shows how white text looks on a background with the XYZ color 20.1573, 16.4768,

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

20.1573, 16.4768, 7.7482

Protanopia

15.3780, 16.5430, 9.2201

Deuteranopia

16.8569, 16.5336, 7.6130



Tritanopia

21.3891, 16.4477, 13.8518

Trichromacy



Original Color

20.1573, 16.4768, 7.7482

Protanomaly

16.7768, 16.3148, 8.5682

Deuteranomaly

18.0263, 16.5210, 7.7076

Tritanomaly

20.7801, 16.3198, 11.2873

Monochromacy



Original Color

20.1573, 16.4768, 7.7482

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.7754, 16.2038, 13.5527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1573, 16.4768, 7.7482 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(162, 96, 69)` looks like.

```
.text, #text, p{  
    color:rgb(162, 96, 69)  
}
```

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(162, 96, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 96, 69) }
```

Border

The CSS property to change the border of an element to XYZ 20.1573, 16.4768, 7.7482 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(162, 96, 69) }
```


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

```
.border{ border-color:rgb(162, 96, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 96, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 96, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 96, 69);  
box-shadow:4px 4px 4px 4px rgb(162, 96,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1573, 16.4768, 7.7482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 96, 69) }
```

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

```
.background{ background-color: rgb(162, 96,  
69) }
```

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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