

Converting Colors

XYZ(20.7479, 16.0415, 10.2041)

Have a look what the booklet for
XYZ(20.7479, 16.0415, 10.2041)
contains.

| | |
|--|----|
| XYZ(20.8195, 16.1060, 10.1951) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(20.8195, 16.1060,
10.1951)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | A55B53 |
| RGB | 165, 91, 83 |
| RGB Percent | 65%, 36%, 33% |
| CMY | 0.3529, 0.6431, 0.6745 |
| CMYK | 0.00, 0.45, 0.50, 0.35 |
| HSL | 6°, 33%, 49% |
| HSV | 6°, 50%, 65% |
| XYZ | 20.8195, 16.1060, 10.1951 |
| YIQ | 112.2140, 46.6720, 13.2000 |

Conversions

Conversions Part 2

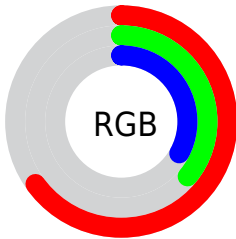
| Format | Color |
|-------------------------------------|---|
| RYB | 165, 92, 83 |
| Decimal | 10836819 |
| CIELab | 47.11, 29.36, 18.00 |
| CIElCh | 47, 34.440, 31.506 |
| Yxy | 16.1060, 0.4418, 0.3418 |
| Android (android.graphics.Color) | 4289026899 (0xFFA55B53) |
| YUV | 112.2140, -14.4025, 46.2933 |
| Hunter-Lab | 40.1323, 22.3693, 13.0307 |

Details

The XYZ color **20.8195, 16.1060, 10.1951** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.4153, 28.6684, 39.9495**, and the grayscale version is **15.4957, 16.3027, 17.7537**.

A 20% lighter version of the original color is **44.3381, 36.7274, 26.9425**, and **7.6441, 5.1827, 2.4312** is the 20% darker color. If you saturate the color by 10%, you get **19.1076, 13.5834, 6.8468**, and if you desaturate by 10%, it is **22.9363, 19.1960, 14.4267**.

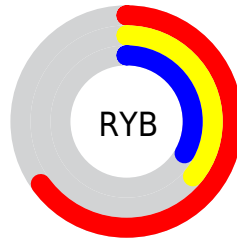
Distribution



Red (65%)

Green (36%)

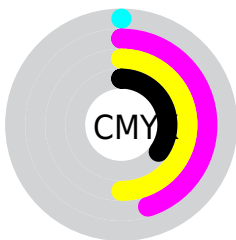
Blue (33%)



Red (65%)

Yellow (36%)

Blue (33%)

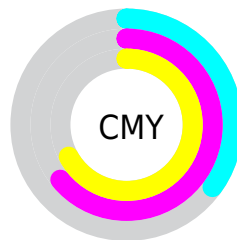


Cyan (0%)

Magenta (45%)

Yellow (50%)

Black (35%)



Cyan (35%)


Magenta (64%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8195, 16.1060, 10.1951 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 20.8195, 16.1060, 10.1951 by changing the saturation by 10% instead.

 20.8195, 16.1060,
10.1951


 20.8195, 16.1060,
10.1951


249.0676,
229.9664, 202.5941


 13.1038, 9.5992,
5.4212


 44.2805, 36.7821,
26.7754


 7.5776, 5.1340,
2.4334


 60.7565, 51.7202,
39.4188


 3.8754, 2.3261,
0.8046

 80.8834, 70.2376,
55.5225

 1.6319, 0.7875,
0.0000

 105.0264, 92.7185,
75.5051

 0.4130, 0.0000,
0.0000

 133.5510,
119.5475, 99.7849

 0.0000, 0.0000,
0.0000

166.8225,

151.1089, 128.7807

205.2062,
187.7870, 162.9109

■ 20.8195, 16.1060,
10.1951

■ 20.8195, 16.1060,
10.1951

■ 19.1076, 13.5834,
6.8468

■ 22.9363, 19.1960,
14.4267

■ 17.7736, 11.5912,
4.3183

■ 25.4806, 22.8825,
19.5971

■ 16.7888, 10.0923,
2.5390

■ 28.4745, 27.1954,
25.7584

■ 16.1200, 9.0433,
1.4263

■ 31.9383, 32.1620,
32.9587

■ 15.7135, 8.3877,
0.8052

■ 35.8911, 37.8079,
41.2428

■ 15.7039, 8.3730,
0.7885

■ 40.3510, 44.1574,
50.6530

■ 45.3349, 51.2336,
61.2292

■ 50.8593, 59.0585,
73.0095

■ 56.9397, 67.6531,
86.0301

Harmonies

Analogous

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



21.8868, 16.1060, 17.1028



20.8195, 16.1060, 10.1951



18.2529, 16.1060, 6.5960

Triad

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



20.8195, 16.1060, 10.1951



10.7460, 16.1060, 10.7321



15.4615, 16.1060, 40.0034

Complementary

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



20.8195, 16.1060, 10.1951



22.4153, 28.6684, 39.9495

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.



12.6987, 16.1060, 36.6184



20.8195, 16.1060, 10.1951



10.2008, 16.1060, 17.9778

Square

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



20.8195, 16.1060, 10.1951



12.4666, 16.1060, 6.8265



10.8671, 16.1060, 27.7566



18.5520, 16.1060, 35.9083

Rectangle

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



20.8195, 16.1060, 10.1951



16.1832, 16.1060, 5.6856



10.8671, 16.1060, 27.7566



14.4654, 16.1060, 39.6977

Sweetspot

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



20.8199, 16.1068, 10.1954



53.6328, 52.4908, 51.5989



24.7963, 16.6604, 34.3319



11.4607, 11.0961, 10.7316



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.



20.8199, 16.1068, 10.1954



33.8455, 23.7704, 11.5409



25.1724, 24.8119, 11.6462



7.1268, 7.1920, 7.3927



11.8984, 6.3707, 0.6026



0.2656, 0.1650, 0.0178

Inverse Universe

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



22.4153, 28.6684, 39.9495



37.0114, 48.9082, 71.2419



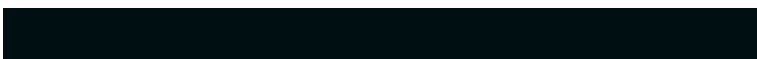
16.7397, 17.3172, 38.0576



7.2168, 7.8925, 9.0461



13.2761, 18.3316, 29.7684



0.2948, 0.4170, 0.6308

Previews

White Background



This preview shows how the XYZ color 20.8195, 16.1060, 10.1951 looks on a white background.

Color Contrast Check

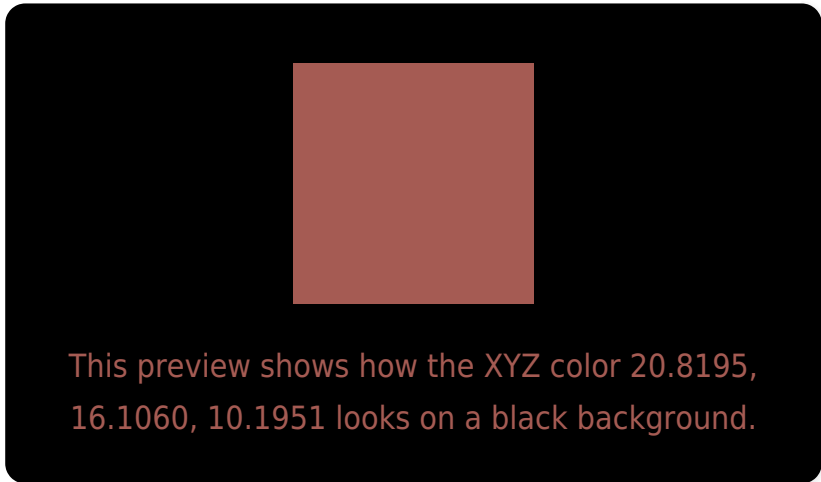
Large Text (above 18pt) WCAG AA ✓ Pass

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

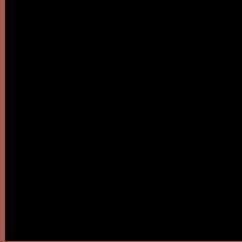
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8195, 16.1060, 10.1951

Background



This preview shows how black text looks on a background with the XYZ color 20.8195, 16.1060, 10.1951.



This preview shows how white text looks on a background with the XYZ color 20.8195, 16.1060,

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

20.8195, 16.1060, 10.1951

Protanopia

15.3777, 16.3006, 12.6918

Deuteranopia

16.3785, 16.0811, 9.8301



Tritanopia

21.4096, 16.0963, 13.0448

Trichromacy



Original Color

20.8195, 16.1060, 10.1951

Protanomaly

16.9068, 15.8561, 11.6206

Deuteranomaly

17.8159, 15.9212, 9.9187

Tritanomaly

21.2704, 16.1747, 11.8985

Monochromacy



Original Color

20.8195, 16.1060, 10.1951

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.6594, 15.6655, 14.4576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8195, 16.1060, 10.1951 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, 91, 83)` looks like.

```
.text, #text, p{  
    color:rgb(165, 91, 83)  
}
```

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, 91, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 91, 83) }
```

Border

The CSS property to change the border of an element to XYZ 20.8195, 16.1060, 10.1951 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, 91, 83) }
```


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

```
.border{ border-color:rgb(165, 91, 83) }
```

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

Here you see how a box with a 4 pixel rgb(165, 91, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 91, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 91, 83);  
box-shadow:4px 4px 4px 4px rgb(165, 91,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8195, 16.1060, 10.1951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 91, 83) }
```

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

```
.background{ background-color: rgb(165, 91,  
83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor