

Converting Colors

XYZ(20.1418, 17.9305, 11.7027)

Have a look what the booklet for
XYZ(20.1418, 17.9305, 11.7027)
contains.

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Color

**XYZ(20.1560, 17.9923,
11.6430)**

Conversions

Conversions Part 1

Format	Color
Hex	996B58
RGB	153, 107, 88
RGB Percent	60%, 42%, 35%
CMY	0.4000, 0.5804, 0.6549
CMYK	0.00, 0.30, 0.42, 0.40
HSL	18°, 27%, 47%
HSV	18°, 42%, 60%
XYZ	20.1560, 17.9923, 11.6430
YIQ	118.5880, 33.5150, 3.8430

Conversions

Conversions Part 2

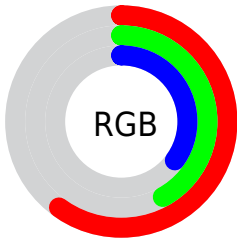
Format	Color
R_{YB}	153, 115, 88
Decimal	10054488
CIE Lab	49.49, 15.90, 17.98
CIE LCh	49, 23.999, 48.520
Yxy	17.9923, 0.4048, 0.3614
Android (android.graphics.Color)	4288244568 (0xFF996B58)
YUV	118.5880, -15.0799, 30.1793
Hunter-Lab	42.4173, 10.5899, 13.4178

Details

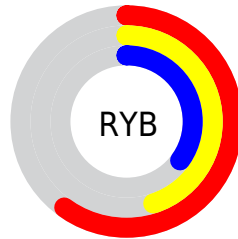
The XYZ color **20.1560, 17.9923, 11.6430** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.2989, 21.4238, 33.3076**, and the grayscale version is **17.4436, 18.3520, 19.9853**.

A 20% lighter version of the original color is **43.2801, 40.1866, 29.5204**, and **7.2374, 6.0044, 2.9680** is the 20% darker color. If you saturate the color by 10%, you get **18.5286, 15.6475, 8.2952**, and if you desaturate by 10%, it is **22.0587, 20.6747, 15.7393**.

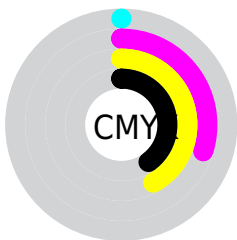
Distribution



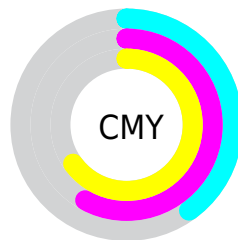
- Red (60%)
- Green (42%)
- Blue (35%)



- Red (60%)
- Yellow (45%)
- Blue (35%)



- Cyan (0%)
- Magenta (30%)
- Yellow (42%)
- Black (40%)



- Cyan (40%)
- Magenta (58%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1560, 17.9923, 11.6430 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 20.1560, 17.9923, 11.6430 by changing the saturation by 10% instead.

■ 20.1560, 17.9923,
11.6430

■ 20.1560, 17.9923,
11.6430

245.5759,
240.8276, 212.9207

■ 12.6174, 10.9445,
6.3815

■ 43.1805, 40.0242,
29.4978

■ 7.2408, 6.0295,
3.0059

■ 59.3972, 55.7771,
42.9282

■ 3.6608, 2.8630,
1.0976

■ 79.2372, 75.2004,
59.9187

■ 1.5121, 1.0606,
0.0000

■ 103.0660, 98.6785,
80.8877

■ 0.3340, 0.0000,
0.0000

■ 131.2489,
126.5960, 106.2539

■ 0.0000, 0.0000,
0.0000

164.1513,

159.3370, 136.4358

202.1385,
197.2861, 171.8518

■ 20.1560, 17.9923,
11.6430

■ 20.1560, 17.9923,
11.6430

■ 18.5286, 15.6475,
8.2952

■ 22.0587, 20.6747,
15.7393

■ 17.1616, 13.6241,
5.6487

■ 24.2479, 23.7051,
20.6248

■ 16.0405, 11.9080,
3.6530

■ 26.7359, 27.0966,
26.3390

■ 15.1487, 10.4832,
2.2499

■ 29.5338, 30.8608,
32.9180

■ 14.4674, 9.3320,
1.3708

■ 32.6520, 35.0088,
40.3959

■ 14.0650, 8.6287,
0.9242

■ 36.1006, 39.5511,
48.8050

■ 39.8891, 44.4981,
58.1760

■ 44.0266, 49.8594,
68.5381

■ 48.5221, 55.6445,
79.9193

Harmonies

Analogous

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



21.5795, 17.9923, 15.8846



20.1560, 17.9923, 11.6430



17.9841, 17.9923, 9.7215

Triad

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



20.1560, 17.9923, 11.6430



13.1729, 17.9923, 17.2080



18.5243, 17.9923, 33.9832

Complementary

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



20.1560, 17.9923, 11.6430



18.2989, 21.4238, 33.3076

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.



16.2476, 17.9923, 34.5596



20.1560, 17.9923, 11.6430



13.2897, 17.9923, 23.8323

Square

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



20.1560, 17.9923, 11.6430



14.0371, 17.9923, 12.4266



14.3717, 17.9923, 30.5187



20.5815, 17.9923, 29.0843

Rectangle

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



20.1560, 17.9923, 11.6430



16.4631, 17.9923, 9.6514



14.3717, 17.9923, 30.5187



17.7555, 17.9923, 34.7235

Sweetspot

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



20.1565, 17.9932, 11.6434



47.5169, 48.0336, 46.3240



20.9705, 15.4894, 24.6527



10.2824, 10.3216, 9.7433



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.1565, 17.9932, 11.6434



33.3106, 28.2095, 15.1116



24.1189, 25.9180, 12.9642



6.3487, 6.5024, 6.5263



11.6505, 7.1834, 0.7725



0.2028, 0.1646, 0.0211

Inverse Universe

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



18.2989, 21.4238, 33.3076



29.5094, 35.1519, 59.2017



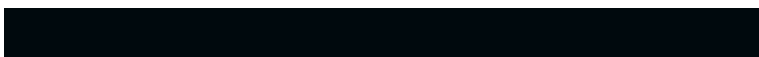
14.5339, 13.8939, 32.0527



6.2320, 6.7213, 7.8979



9.2372, 10.8711, 26.5192



0.1690, 0.2243, 0.4068

Previews

White Background



This preview shows how the XYZ color 20.1560, 17.9923, 11.6430 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 20.1560, 17.9923, 11.6430 looks on a black 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

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

XYZ 20.1560, 17.9923, 11.6430

Background



This preview shows how black text looks on a background with the XYZ color 20.1560, 17.9923, 11.6430.



This preview shows how white text looks on a background with the XYZ color 20.1560, 17.9923,

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

20.1560, 17.9923, 11.6430

Protanopia

17.0584, 18.1828, 12.9665

Deuteranopia

18.2729, 17.9873, 11.5256



Tritanopia

21.3925, 18.0390, 17.6836

Trichromacy



Original Color

20.1560, 17.9923, 11.6430

Protanomaly

18.0590, 18.0242, 12.4247

Deuteranomaly

18.9063, 17.9863, 11.4921

Tritanomaly

20.8262, 17.9524, 15.1995

Monochromacy



Original Color

20.1560, 17.9923, 11.6430

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.1976, 18.1695, 16.7353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1560, 17.9923, 11.6430 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(153, 107, 88)` looks like.

```
.text, #text, p{  
    color:rgb(153, 107, 88)  
}
```

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(153, 107, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 107, 88) }
```

Border

The CSS property to change the border of an element to XYZ 20.1560, 17.9923, 11.6430 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(153, 107, 88) }
```


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

```
.border{ border-color:rgb(153, 107, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 107, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 107, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 107, 88);  
box-shadow:4px 4px 4px 4px rgb(153, 107,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1560, 17.9923, 11.6430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 107, 88) }
```

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

```
.background{ background-color: rgb(153,  
107, 88) }
```

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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