

Converting Colors

XYZ(20.7263, 19.9308, 6.8333)

Have a look what the booklet for
XYZ(20.7263, 19.9308, 6.8333)
contains.

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Color

**XYZ(20.7451, 19.8745,
6.8804)**

Conversions

Conversions Part 1

Format	Color
Hex	9C743B
RGB	156, 116, 59
RGB Percent	61%, 45%, 23%
CMY	0.3882, 0.5451, 0.7686
CMYK	0.00, 0.26, 0.62, 0.39
HSL	35°, 45%, 42%
HSV	35°, 62%, 61%
XYZ	20.7451, 19.8745, 6.8804
YIQ	121.4620, 42.1370, -9.2470

Conversions

Conversions Part 2

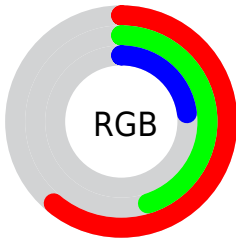
Format	Color
R_{YB}	127, 156, 59
Decimal	10253371
CIE _{Lab}	51.70, 9.25, 37.05
CIE _{LCh}	52, 38.192, 75.977
Yxy	19.8745, 0.4367, 0.4184
Android (android.graphics.Color)	4288443451 (0xFF9C743B)
YUV	121.4620, -30.7938, 30.2898
Hunter-Lab	44.5808, 5.0462, 22.0560

Details

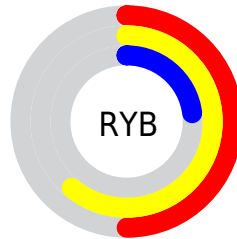
The XYZ color **20.7451, 19.8745, 6.8804** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.2659, 12.2531, 33.1709**, and the grayscale version is **18.4113, 19.3701, 21.0940**.

A 20% lighter version of the original color is **44.1500, 43.2341, 20.2054**, and **7.4944, 6.9251, 1.2583** is the 20% darker color. If you saturate the color by 10%, you get **19.6835, 18.3050, 4.8201**, and if you desaturate by 10%, it is **21.9799, 21.5970, 9.5954**.

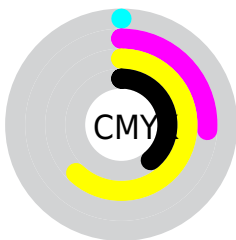
Distribution



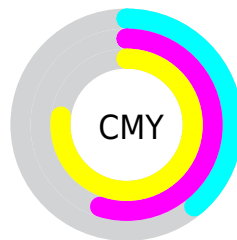
- Red (61%)
- Green (45%)
- Blue (23%)



- Red (50%)
- Yellow (61%)
- Blue (23%)



- Cyan (0%)
- Magenta (26%)
- Yellow (62%)
- Black (39%)



- Cyan (39%)
- Magenta (55%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7451, 19.8745, 6.8804 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 20.7451, 19.8745, 6.8804 by changing the saturation by 10% instead.

■ 20.7451, 19.8745,
6.8804

■ 20.7451, 19.8745,
6.8804

248.6782,
251.2349, 176.2592

■ 13.0492, 12.3039,
3.3101

■ 44.1574, 43.2067,
20.2410

■ 7.5397, 6.9510,
1.2551

■ 60.6045, 59.7370,
30.8683

■ 3.8511, 3.4315,
0.0245

■ 80.6994, 80.0226,
44.6851

■ 1.6183, 1.3609,
0.0000

■ 104.8075,
104.4480, 62.1098

■ 0.4043, 0.1876,
0.0000

■ 133.2940,
133.3976, 83.5610

■ 0.0000, 0.0000,
0.0000

■ 166.5244,

167.2556, 109.4573

204.8640,
206.4066, 140.2172

■ 20.7451, 19.8745,
6.8804

■ 20.7451, 19.8745,
6.8804

■ 19.6835, 18.3050,
4.8201

■ 21.9799, 21.5970,
9.5954

■ 18.7816, 16.8791,
3.3543

■ 23.3973, 23.4755,
13.0159

■ 18.0255, 15.5904,
2.4135

■ 25.0075, 25.5165,
17.1887

■ 17.5094, 14.6663,
1.9080

■ 26.8195, 27.7250,
22.1563

■ 28.8416, 30.1059,
27.9582

■ 31.0816, 32.6638,
34.6311

■ 33.5470, 35.4029,
42.2093

■ 36.2447, 38.3275,
50.7257

■ 39.1814, 41.4416,
60.2111

Harmonies

Analogous

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



24.5281, 19.8745, 9.6769



20.7451, 19.8745, 6.8804



16.9211, 19.8745, 6.9681

Triad

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



20.7451, 19.8745, 6.8804



12.6187, 19.8745, 28.0297



24.7416, 19.8745, 40.0147

Complementary

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



20.7451, 19.8745, 6.8804



12.2659, 12.2531, 33.1709

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.



21.0063, 19.8745, 49.1613



20.7451, 19.8745, 6.8804



14.1899, 19.8745, 40.7914

Square

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



20.7451, 19.8745, 6.8804



12.5688, 19.8745, 16.8898



17.1491, 19.8745, 49.4860



27.0392, 19.8745, 27.2064

Rectangle

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



20.7451, 19.8745, 6.8804



14.8590, 19.8745, 8.5992



17.1491, 19.8745, 49.4860



23.5913, 19.8745, 43.7856

Sweetspot

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



20.7456, 19.8755, 6.8808



49.7024, 51.5369, 43.0400



17.5464, 11.1048, 13.1279



10.7296, 11.0937, 8.8854



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.7456, 19.8755, 6.8808



35.0116, 32.1008, 7.4827



24.8754, 30.3806, 8.6908



6.9406, 7.2613, 7.0214



14.4572, 12.1500, 1.5832



0.2995, 0.2993, 0.0420

Inverse Universe

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



12.2659, 12.2531, 33.1709



18.2913, 17.1175, 59.4667



9.8853, 6.7246, 32.2292



6.4982, 6.8621, 8.3887



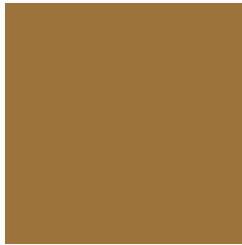
6.5006, 5.0928, 26.5476



0.1569, 0.1723, 0.4882

Previews

White Background



This preview shows how the XYZ color 20.7451, 19.8745, 6.8804 looks on a white background.

Color Contrast Check

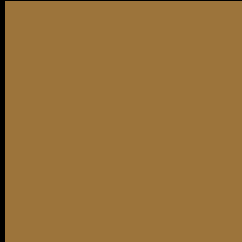
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.7451, 19.8745, 6.8804 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 20.7451, 19.8745, 6.8804

Background



This preview shows how black text looks on a background with the XYZ color 20.7451, 19.8745, 6.8804.



This preview shows how white text looks on a background with the XYZ color 20.7451, 19.8745,

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

20.7451, 19.8745, 6.8804

Protanopia

18.3665, 20.0706, 7.3209

Deuteranopia

20.2167, 19.9480, 6.9225



Tritanopia

23.2359, 19.7189, 19.7210

Trichromacy



Original Color

20.7451, 19.8745, 6.8804

Protanomaly

19.1546, 19.9303, 7.1123

Deuteranomaly

20.2876, 19.8107, 6.8922

Tritanomaly

22.2499, 19.8223, 13.9627

Monochromacy



Original Color

20.7451, 19.8745, 6.8804

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.6329, 19.1438, 14.2683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7451, 19.8745, 6.8804 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(156, 116, 59)` looks like.

```
.text, #text, p{  
    color:rgb(156, 116, 59)  
}
```

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(156, 116, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 116, 59) }
```

Border

The CSS property to change the border of an element to XYZ 20.7451, 19.8745, 6.8804 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(156, 116, 59) }
```


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

```
.border{ border-color:rgb(156, 116, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 116, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 116, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 116, 59);  
box-shadow:4px 4px 4px 4px rgb(156, 116,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7451, 19.8745, 6.8804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 116, 59) }
```

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

```
.background{ background-color: rgb(156,  
116, 59) }
```

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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