

Converting Colors

XYZ(20.2330, 16.9097, 12.6935)

Have a look what the booklet for
XYZ(20.2330, 16.9097, 12.6935)
contains.

XYZ(20.2879, 16.9904, 12.7999)	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(20.2879, 16.9904,
12.7999)**

Conversions

Conversions Part 1

Format	Color
Hex	9C645E
RGB	156, 100, 94
RGB Percent	61%, 39%, 37%
CMY	0.3882, 0.6078, 0.6314
CMYK	0.00, 0.36, 0.40, 0.39
HSL	6°, 25%, 49%
HSV	6°, 40%, 61%
XYZ	20.2879, 16.9904, 12.7999
YIQ	116.0600, 35.3020, 10.0060

Conversions

Conversions Part 2

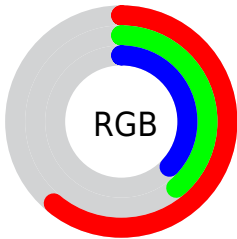
Format	Color
RYB	156, 101, 94
Decimal	10249310
CIELab	48.25, 21.88, 12.80
CIELCh	48, 25.352, 30.319
Yxy	16.9904, 0.4051, 0.3393
Android (android.graphics.Color)	4288439390 (0xFF9C645E)
YUV	116.0600, -10.8756, 35.0274
Hunter-Lab	41.2194, 15.7224, 10.4422

Details

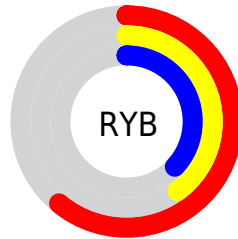
The XYZ color **20.2879, 16.9904, 12.7999** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.5229, 26.5919, 35.4510**, and the grayscale version is **16.6440, 17.5107, 19.0692**.

A 20% lighter version of the original color is **43.2520, 38.1439, 31.4684**, and **7.2410, 5.4942, 3.4751** is the 20% darker color. If you saturate the color by 10%, you get **18.4209, 14.2657, 9.0660**, and if you desaturate by 10%, it is **22.5310, 20.2408, 17.3576**.

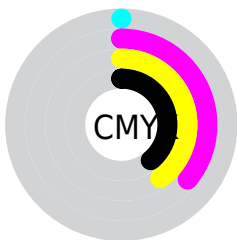
Distribution



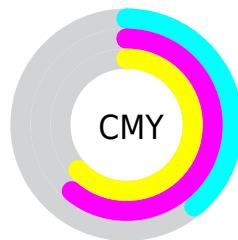
- Red (61%)
- Green (39%)
- Blue (37%)



- Red (61%)
- Yellow (40%)
- Blue (37%)



- Cyan (0%)
- Magenta (36%)
- Yellow (40%)
- Black (39%)



- Cyan (39%)
- Magenta (61%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2879, 16.9904, 12.7999 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 20.2879, 16.9904, 12.7999 by changing the saturation by 10% instead.

■ 20.2879, 16.9904,
12.7999

■ 20.2879, 16.9904,
12.7999

246.2734,
235.1171, 220.7938

■ 12.7140, 10.2276,
7.1618

■ 43.3996, 38.3093,
31.6297

■ 7.3075, 5.5502,
3.4835

■ 59.6681, 53.6342,
45.6585

■ 3.7032, 2.5735,
1.3465

■ 79.5655, 72.5819,
63.3213

■ 1.5356, 0.9134,
0.0995

■ 103.4572, 95.5369,
85.0366

■ 0.3499, 0.0000,
0.0000

131.7084,
122.8835, 111.2230

■ 0.0000, 0.0000,
0.0000

164.6846,

155.0061, 142.2989

202.7512,
192.2892, 178.6831

■ 20.2879, 16.9904,
12.7999

■ 20.2879, 16.9904,
12.7999

■ 18.4209, 14.2657,
9.0660

■ 22.5310, 20.2408,
17.3576

■ 16.9081, 12.0367,
6.1057

■ 25.1680, 24.0399,
22.7831

■ 15.7273, 10.2743,
3.8648

■ 28.2169, 28.4124,
29.1187

■ 14.8532, 8.9452,
2.2820

■ 31.6945, 33.3806,
36.4035

■ 14.2570, 8.0116,
1.2852

■ 35.6164, 38.9657,
44.6742

■ 13.8900, 7.4238,
0.7124

■ 39.9977, 45.1880,
53.9659

■ 13.8827, 7.4126,
0.6991

■ 44.8525, 52.0666,
64.3116

■ 50.1944, 59.6200,
75.7430

■ 56.0366, 67.8659,
88.2905

Harmonies

Analogous

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



21.0023, 16.9904, 18.4290



20.2879, 16.9904, 12.7999



18.4461, 16.9904, 9.5132

Triad

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



20.2879, 16.9904, 12.7999



12.5940, 16.9904, 12.8959



16.1736, 16.9904, 34.3300

Complementary

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



20.2879, 16.9904, 12.7999



21.5229, 26.5919, 35.4510

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.



14.0508, 16.9904, 31.8746



20.2879, 16.9904, 12.7999



12.1074, 16.9904, 18.5704

Square

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



20.2879, 16.9904, 12.7999



14.0118, 16.9904, 9.5586



12.6149, 16.9904, 25.6810



18.4928, 16.9904, 31.7731

Rectangle

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



20.2879, 16.9904, 12.7999



16.9062, 16.9904, 8.5911



12.6149, 16.9904, 25.6810



15.4145, 16.9904, 34.0578

Sweetspot

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



20.2883, 16.9912, 12.8002



49.7967, 49.5241, 49.8586



23.2856, 17.3025, 31.3198



10.8103, 10.6866, 10.6648



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.



20.2883, 16.9912, 12.8002



33.7024, 26.2694, 16.9517



23.7357, 23.8859, 13.9493



6.6822, 6.7444, 6.9353



11.4478, 6.1312, 0.5801



0.2180, 0.1363, 0.0148

Inverse Universe

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



21.5229, 26.5919, 35.4510



36.2600, 46.2437, 64.1416



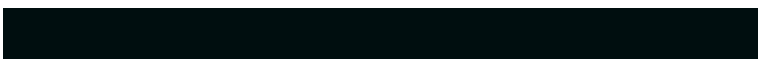
17.3135, 18.1731, 34.0479



6.7669, 7.3996, 8.4783



12.7896, 17.6707, 28.6439



0.2430, 0.3446, 0.5169

Previews

White Background



This preview shows how the XYZ color 20.2879, 16.9904, 12.7999 looks on a white background.

Color Contrast Check

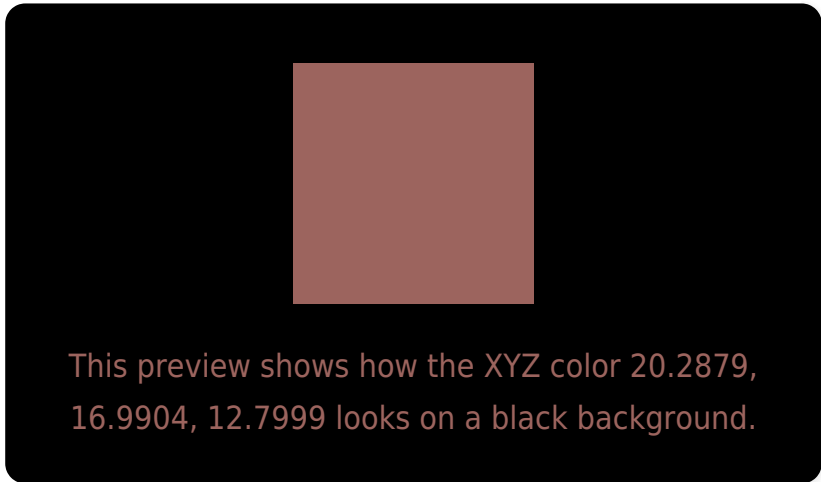
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2879, 16.9904, 12.7999

Background



This preview shows how black text looks on a background with the XYZ color 20.2879, 16.9904, 12.7999.

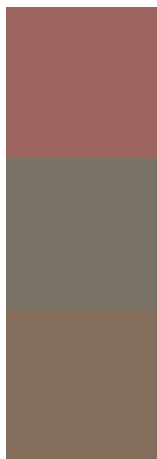


This preview shows how white text looks on a background with the XYZ color 20.2879, 16.9904,

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

20.2879, 16.9904, 12.7999

Protanopia

16.2254, 17.1941, 14.7755

Deuteranopia

17.3392, 16.9929, 12.4913



Tritanopia

20.8738, 16.9441, 15.8060

Trichromacy



Original Color

20.2879, 16.9904, 12.7999

Protanomaly

17.4534, 17.0202, 13.9206

Deuteranomaly

18.2851, 16.8492, 12.6444

Tritanomaly

20.7647, 17.0511, 14.7671

Monochromacy



Original Color

20.2879, 16.9904, 12.7999

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.6428, 17.0599, 16.5504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2879, 16.9904, 12.7999 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, 100, 94)` looks like.

```
.text, #text, p{  
    color:rgb(156, 100, 94)  
}
```

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, 100, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 100, 94) }
```

Border

The CSS property to change the border of an element to XYZ 20.2879, 16.9904, 12.7999 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, 100, 94) }
```


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

```
.border{ border-color:rgb(156, 100, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 100, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 100, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 100, 94);  
box-shadow:4px 4px 4px 4px rgb(156, 100,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2879, 16.9904, 12.7999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 100, 94) }
```

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

```
.background{ background-color: rgb(156,  
100, 94) }
```

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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