

Converting Colors

XYZ(20.4107, 16.3635, 12.6724)

Have a look what the booklet for
XYZ(20.4107, 16.3635, 12.6724)
contains.

XYZ(20.4107, 16.3635, 12.6724)	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(20.4107, 16.3635,
12.6724)**

Conversions

Conversions Part 1

Format	Color
Hex	9F5F5E
RGB	159, 95, 94
RGB Percent	62%, 37%, 37%
CMY	0.3765, 0.6274, 0.6314
CMYK	0.00, 0.40, 0.41, 0.38
HSL	1°, 26%, 50%
HSV	1°, 41%, 62%
XYZ	20.4107, 16.3635, 12.6724
YIQ	114.0220, 38.4650, 13.2570

Conversions

Conversions Part 2

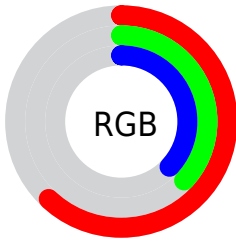
Format	Color
R_{YB}	159, 95, 94
Decimal	10444638
CIE _{Lab}	47.45, 25.94, 11.74
CIE _{LCh}	47, 28.470, 24.364
Yxy	16.3635, 0.4128, 0.3309
Android (android.graphics.Color)	4288634718 (0xFF9F5F5E)
YUV	114.0220, -9.8708, 39.4457
Hunter-Lab	40.4518, 19.2747, 9.7424

Details

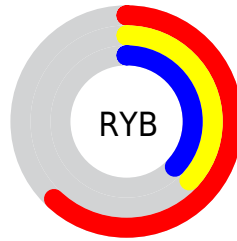
The XYZ color **20.4107, 16.3635, 12.6724** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.1005, 29.3355, 37.2458**, and the grayscale version is **16.0218, 16.8562, 18.3564**.

A 20% lighter version of the original color is **43.6318, 37.1703, 31.2605**, and **7.3757, 5.2497, 3.4209** is the 20% darker color. If you saturate the color by 10%, you get **18.4982, 13.5650, 8.8700**, and if you desaturate by 10%, it is **22.7545, 19.7892, 17.3440**.

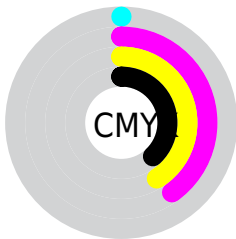
Distribution



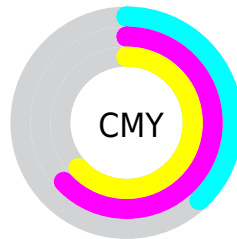
- Red (62%)
- Green (37%)
- Blue (37%)



- Red (62%)
- Yellow (37%)
- Blue (37%)



- Cyan (0%)
- Magenta (40%)
- Yellow (41%)
- Black (38%)



- Cyan (38%)
- Magenta (63%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4107, 16.3635, 12.6724 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 20.4107, 16.3635, 12.6724 by changing the saturation by 10% instead.

■ 20.4107, 16.3635,
12.6724

■ 20.4107, 16.3635,
12.6724

246.9213,
231.4772, 219.9409

■ 12.8039, 9.7817,
7.0753

■ 43.6034, 37.2281,
31.3965

■ 7.3697, 5.2545,
3.4301

■ 59.9200, 52.2798,
45.3605

■ 3.7428, 2.3973,
1.3182

■ 79.8707, 70.9235,
62.9506

■ 1.5577, 0.8245,
0.0766

■ 103.8207, 93.5437,
84.5853

■ 0.3646, 0.0000,
0.0000

132.1354,
120.5248, 110.6832

■ 0.0000, 0.0000,
0.0000

165.1801,

152.2511, 141.6627

203.3203,
189.1071, 177.9424

■ 20.4107, 16.3635,
12.6724

■ 20.4107, 16.3635,
12.6724

■ 18.4982, 13.5650,
8.8700

■ 22.7545, 19.7892,
17.3440

■ 16.9894, 11.3535,
5.8824

■ 25.5522, 23.8742,
22.9328

■ 15.8558, 9.6878,
3.6502


■ 28.8264, 28.6514,
29.4846


■ 15.0646, 8.5207,
2.1060


■ 32.5979, 34.1510,
37.0416


■ 14.5771, 7.7967,
1.1701


■ 36.8863, 40.4010,
45.6438

 14.3248, 7.4242,
0.6780

 41.7099, 47.4283,
55.3288

 47.0864, 55.2582,
66.1324

 53.0325, 63.9149,
78.0888

 59.5642, 73.4218,
91.2306

Harmonies

Analogous

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



20.9050, 16.3635, 19.2185



20.4107, 16.3635, 12.6724



18.5582, 16.3635, 8.7339

Triad

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



20.4107, 16.3635, 12.6724



11.9299, 16.3635, 10.8788



15.0808, 16.3635, 35.5561

Complementary

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



20.4107, 16.3635, 12.6724



23.1005, 29.3355, 37.2458

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.



12.8911, 16.3635, 31.6832



20.4107, 16.3635, 12.6724



11.2026, 16.3635, 16.4855

Square

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



20.4107, 16.3635, 12.6724



13.6340, 16.3635, 7.9117



11.5346, 16.3635, 24.1940



17.6441, 16.3635, 33.7312

Rectangle

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



20.4107, 16.3635, 12.6724



16.8993, 16.3635, 7.4977



11.5346, 16.3635, 24.1940



14.2802, 16.3635, 34.8514

Sweetspot

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



20.4111, 16.3643, 12.6727



50.7837, 50.0843, 51.1189



24.5589, 17.8797, 34.9577



11.2826, 11.0486, 11.1914



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.4111, 16.3643, 12.6727



33.4215, 24.7228, 16.4670



23.8435, 23.2291, 13.8169



6.6409, 6.6617, 6.9215



11.3170, 5.8697, 0.5365



0.2045, 0.1092, 0.0103

Inverse Universe

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



23.1005, 29.3355, 37.2458



38.9016, 51.1636, 66.5687



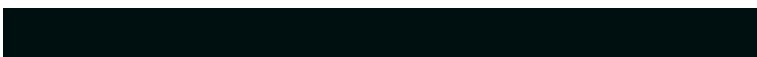
18.3992, 19.9330, 35.6787



6.8131, 7.4919, 8.4937



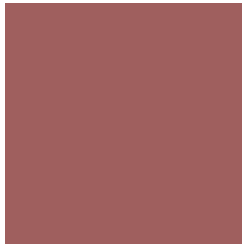
14.4081, 20.9077, 29.1834



0.2601, 0.3788, 0.5226

Previews

White Background



This preview shows how the XYZ color 20.4107, 16.3635, 12.6724 looks on a white background.

Color Contrast Check

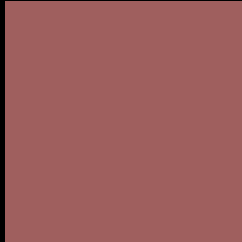
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4107, 16.3635, 12.6724 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 20.4107, 16.3635, 12.6724

Background



This preview shows how black text looks on a background with the XYZ color 20.4107, 16.3635, 12.6724.

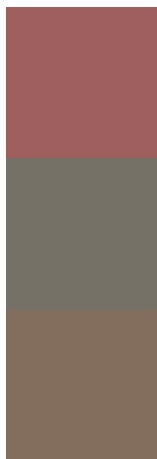


This preview shows how white text looks on a background with the XYZ color 20.4107, 16.3635,

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

20.4107, 16.3635, 12.6724

Protanopia

15.6894, 16.5714, 15.2036

Deuteranopia

16.7605, 16.5353, 12.4335



Tritanopia

20.8489, 16.4186, 14.3822

Trichromacy



Original Color

20.4107, 16.3635, 12.6724

Protanomaly

16.9700, 16.1337, 14.2763

Deuteranomaly

17.9106, 16.3537, 12.5685

Tritanomaly

20.7045, 16.3608, 13.6220

Monochromacy



Original Color

20.4107, 16.3635, 12.6724

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.1175, 16.3228, 16.1583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4107, 16.3635, 12.6724 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(159, 95, 94)` looks like.

```
.text, #text, p{  
    color:rgb(159, 95, 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(159, 95, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 95, 94) }
```

Border

The CSS property to change the border of an element to XYZ 20.4107, 16.3635, 12.6724 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(159, 95, 94) }
```


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

```
.border{ border-color:rgb(159, 95, 94) }
```

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

Here you see how a box with a 4 pixel rgb(159, 95, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 95, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 95, 94);  
box-shadow:4px 4px 4px 4px rgb(159, 95,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4107, 16.3635, 12.6724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 95, 94) }
```

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

```
.background{ background-color: rgb(159, 95,  
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](#).

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