

Converting Colors

XYZ(20.1688, 16.1007, 12.8712)

Have a look what the booklet for
XYZ(20.1688, 16.1007, 12.8712)
contains.

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Color

**XYZ(20.1688, 16.1007,
12.8712)**

Conversions

Conversions Part 1

Format	Color
Hex	9E5E5F
RGB	158, 94, 95
RGB Percent	62%, 37%, 37%
CMY	0.3804, 0.6314, 0.6274
CMYK	0.00, 0.41, 0.40, 0.38
HSL	359°, 25%, 49%
HSV	359°, 41%, 62%
XYZ	20.1688, 16.1007, 12.8712
YIQ	113.2500, 37.8230, 13.8790

Conversions

Conversions Part 2

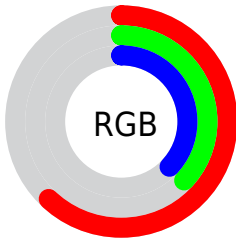
Format	Color
R _Y B	158, 94, 95
Decimal	10378847
CIE Lab	47.11, 26.22, 10.65
CIE LCh	47, 28.299, 22.103
Yxy	16.1007, 0.4104, 0.3276
Android (android.graphics.Color)	4288568927 (0xFF9E5E5F)
YUV	113.2500, -8.9972, 39.2458
Hunter-Lab	40.1257, 19.5014, 9.0694

Details

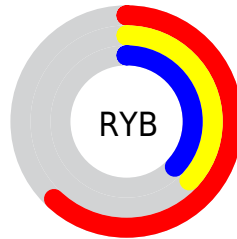
The XYZ color **20.1688, 16.1007, 12.8712** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.9295, 29.2681, 36.3407**, and the grayscale version is **15.7887, 16.6109, 18.0893**.

A 20% lighter version of the original color is **43.2606, 36.7422, 31.5999**, and **7.2403, 5.1188, 3.5122** is the 20% darker color. If you saturate the color by 10%, you get **18.2671, 13.3180, 9.0905**, and if you desaturate by 10%, it is **22.5002, 19.5167, 17.4919**.

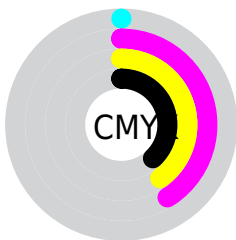
Distribution



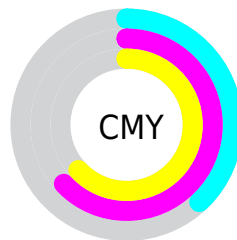
- Red (62%)
- Green (37%)
- Blue (37%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1688, 16.1007, 12.8712 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 20.1688, 16.1007, 12.8712 by changing the saturation by 10% instead.

 20.1688, 16.1007,
12.8712


 20.1688, 16.1007,
12.8712


245.6437,
229.9352, 221.2693


 12.6268, 9.5954,
7.2102


 43.2018, 36.7729,
31.7600


 7.2473, 5.1316,
3.5135


 59.4235, 51.7087,
45.8249

 3.6649, 2.3247,
1.3624

 79.2691, 70.2234,
63.5282

 1.5144, 0.7867,
0.1122

 103.1040, 92.7015,
85.2884

 0.3356, 0.0000,
0.0000

131.2936,
119.5273, 111.5240

 0.0000, 0.0000,
0.0000

164.2031,

151.0853, 142.6537

202.1980,
187.7598, 179.0960

■ 20.1688, 16.1007,
12.8712

■ 20.1688, 16.1007,
12.8712

■ 18.2671, 13.3180,
9.0905

■ 22.5002, 19.5167,
17.4919

■ 16.7676, 11.1274,
6.0986

■ 25.2838, 23.5990,
22.9979

■ 15.6418, 9.4868,
3.8398


■ 28.5423, 28.3812,
29.4324


■ 14.8569, 8.3475,
2.2513


■ 32.2964, 33.8939,
36.8353


■ 14.3744, 7.6521,
1.2592


■ 36.5656, 40.1661,
45.2445

 14.1140, 7.2745,
0.7309

 41.3682, 47.2250,
54.6956

 46.7218, 55.0964,
65.2226

 52.6432, 63.8052,
76.8578

 59.1483, 73.3751,
89.6324

Harmonies

Analogous

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



20.5385, 16.1007, 19.4783



20.1688, 16.1007, 12.8712



18.4285, 16.1007, 8.8005

Triad

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



20.1688, 16.1007, 12.8712



11.8351, 16.1007, 10.3995



14.6563, 16.1007, 34.8706

Complementary

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



20.1688, 16.1007, 12.8712



22.9295, 29.2681, 36.3407

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.



12.5529, 16.1007, 30.6923



20.1688, 16.1007, 12.8712



11.0430, 16.1007, 15.7179

Square

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



20.1688, 16.1007, 12.8712



13.5755, 16.1007, 7.6660



11.2908, 16.1007, 23.1981



17.1717, 16.1007, 33.5041

Rectangle

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



20.1688, 16.1007, 12.8712



16.8185, 16.1007, 7.4699



11.2908, 16.1007, 23.1981



13.8819, 16.1007, 34.0356

Sweetspot

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



20.1692, 16.1015, 12.8715



50.7452, 49.9436, 51.3028



24.0663, 17.6362, 34.4834



11.2733, 11.0143, 11.2361



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.



20.1692, 16.1015, 12.8715



33.3423, 24.4331, 16.8456



23.4466, 22.7282, 13.7419



6.6370, 6.6477, 6.9398



11.3053, 5.8267, 0.5927



0.2032, 0.1046, 0.0163

Inverse Universe

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



20.1692, 16.1015, 12.8715



33.3423, 24.4331, 16.8456



18.3863, 20.0450, 35.2478



6.6370, 6.6477, 6.9398



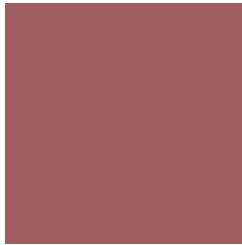
11.3053, 5.8267, 0.5927



0.2032, 0.1046, 0.0163

Previews

White Background



This preview shows how the XYZ color 20.1688, 16.1007, 12.8712 looks on a white background.

Color Contrast Check

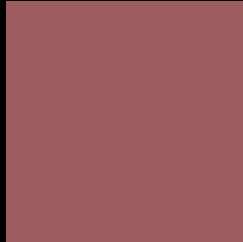
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1688, 16.1007, 12.8712 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 20.1688, 16.1007, 12.8712

Background



This preview shows how black text looks on a background with the XYZ color 20.1688, 16.1007, 12.8712.



This preview shows how white text looks on a background with the XYZ color 20.1688, 16.1007,

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

20.1688, 16.1007, 12.8712

Protanopia

15.4953, 16.3008, 15.4264

Deuteranopia

16.5443, 16.2613, 12.6227



Tritanopia

20.3152, 16.0179, 14.0776

Trichromacy



Original Color

20.1688, 16.1007, 12.8712

Protanomaly

16.7606, 15.8680, 14.4914

Deuteranomaly

17.6858, 16.0841, 12.7621

Tritanomaly

20.2195, 15.9796, 13.5740

Monochromacy



Original Color

20.1688, 16.1007, 12.8712

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.8088, 16.0158, 15.8411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1688, 16.1007, 12.8712 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(158, 94, 95)` looks like.

```
.text, #text, p{  
    color:rgb(158, 94, 95)  
}
```

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(158, 94, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 94, 95) }
```

Border

The CSS property to change the border of an element to XYZ 20.1688, 16.1007, 12.8712 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(158, 94, 95) }
```


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

```
.border{ border-color:rgb(158, 94, 95) }
```

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

Here you see how a box with a 4 pixel rgb(158, 94, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 94, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 94, 95);  
box-shadow:4px 4px 4px 4px rgb(158, 94,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1688, 16.1007, 12.8712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 94, 95) }
```

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

```
.background{ background-color: rgb(158, 94,  
95) }
```

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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