

Converting Colors

XYZ(20.0766, 18.2548, 12.1382)

Have a look what the booklet for
XYZ(20.0766, 18.2548, 12.1382)
contains.

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Color

**XYZ(20.0766, 18.2548,
12.1382)**

Conversions

Conversions Part 1

Format	Color
Hex	976D5A
RGB	151, 109, 90
RGB Percent	59%, 43%, 35%
CMY	0.4078, 0.5725, 0.6471
CMYK	0.00, 0.28, 0.40, 0.41
HSL	19°, 25%, 47%
HSV	19°, 40%, 59%
XYZ	20.0766, 18.2548, 12.1382
YIQ	119.3920, 31.1310, 2.9950

Conversions

Conversions Part 2

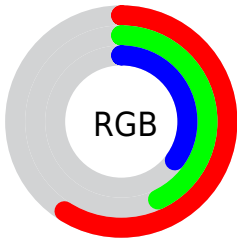
Format	Color
R_{YB}	151, 118, 90
Decimal	9923930
CIE _{Lab}	49.80, 14.14, 17.20
CIE _{LCh}	50, 22.264, 50.579
Yxy	18.2548, 0.3978, 0.3617
Android (android.graphics.Color)	4288114010 (0xFF976D5A)
YUV	119.3920, -14.4903, 27.7202
Hunter-Lab	42.7256, 9.1065, 13.0639

Details

The XYZ color **20.0766, 18.2548, 12.1382** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.0532, 20.9096, 32.3626**, and the grayscale version is **17.6969, 18.6185, 20.2756**.

A 20% lighter version of the original color is **43.2106, 40.6486, 30.3795**, and **7.1604, 6.1160, 3.1860** is the 20% darker color. If you saturate the color by 10%, you get **18.4539, 15.9356, 8.7421**, and if you desaturate by 10%, it is **21.9620, 20.8904, 16.2665**.

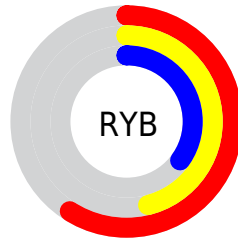
Distribution



Red (59%)

Green (43%)

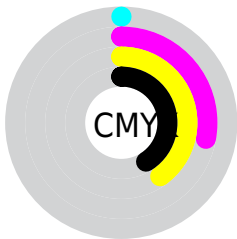
Blue (35%)



Red (59%)

Yellow (46%)

Blue (35%)

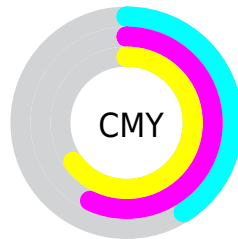


Cyan (0%)

Magenta (28%)

Yellow (40%)

Black (41%)



Cyan (41%)

Magenta (57%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0766, 18.2548, 12.1382 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 20.0766, 18.2548, 12.1382 by changing the saturation by 10% instead.

■ 20.0766, 18.2548,
12.1382

■ 20.0766, 18.2548,
12.1382

245.1552,
242.3033, 216.3284

■ 12.5593, 11.1331,
6.7142

■ 43.0485, 40.4710,
30.4147

■ 7.2007, 6.1564,
3.2083

■ 59.2339, 56.3343,
44.1043

■ 3.6354, 2.9404,
1.2019

■ 79.0394, 75.8802,
61.3861

■ 1.4980, 1.1007,
0.0000

■ 102.8302, 99.4932,
82.6788

■ 0.3245, 0.0000,
0.0000

■ 130.9719,
127.5576, 108.4008

■ 0.0000, 0.0000,
0.0000

163.8297,

160.4578, 138.9707

201.7690,
198.5783, 174.8071

■ 20.0766, 18.2548,
12.1382

■ 20.0766, 18.2548,
12.1382

■ 18.4539, 15.9356,
8.7421

■ 21.9620, 20.8904,
16.2665

■ 17.0800, 13.9178,
6.0336

■ 24.1203, 23.8512,
21.1657

■ 15.9418, 12.1892,
3.9651

■ 26.5630, 27.1493,
26.8732

■ 15.0240, 10.7356,
2.4821

■ 29.3002, 30.7949,
33.4234

■ 14.3096, 9.5411,
1.5209

■ 32.3416, 34.7981,
40.8489

■ 13.7807, 8.6157,
0.9367

■ 35.6967, 39.1683,
49.1804

■ 39.3741, 43.9149,
58.4473

■ 43.3825, 49.0467,
68.6776

■ 47.7300, 54.5722,
79.8979

Harmonies

Analogous

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



21.4636, 18.2548, 16.0406



20.0766, 18.2548, 12.1382



18.0281, 18.2548, 10.4234

Triad

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



20.0766, 18.2548, 12.1382



13.6241, 18.2548, 18.0219



18.8268, 18.2548, 32.9666

Complementary

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



20.0766, 18.2548, 12.1382



18.0532, 20.9096, 32.3626

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.



16.6904, 18.2548, 33.7986



20.0766, 18.2548, 12.1382



13.7998, 18.2548, 24.2795

Square

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



20.0766, 18.2548, 12.1382



14.3819, 18.2548, 13.3334



14.8833, 18.2548, 30.3551



20.7021, 18.2548, 28.2712

Rectangle

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



20.0766, 18.2548, 12.1382



16.6113, 18.2548, 10.4502



14.8833, 18.2548, 30.3551



18.1116, 18.2548, 33.7401

Sweetspot

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



20.0771, 18.2557, 12.1386



46.7256, 47.4861, 46.1307



20.6317, 15.5769, 24.0011



10.5004, 10.6318, 10.2032



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.



20.0771, 18.2557, 12.1386



33.4382, 29.1015, 16.4517



23.8117, 25.7249, 13.3834



6.3580, 6.5211, 6.5294



11.7467, 7.3758, 0.8045



0.2054, 0.1699, 0.0220

Inverse Universe

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



18.0532, 20.9096, 32.3626



29.3113, 34.4654, 57.5413



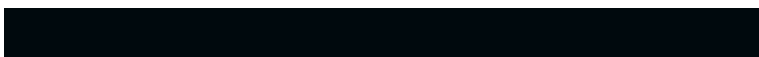
14.5735, 13.9503, 31.2027



6.2222, 6.7017, 7.8946



8.9860, 10.3686, 26.4354



0.1663, 0.2190, 0.4059

Previews

White Background



This preview shows how the XYZ color 20.0766, 18.2548, 12.1382 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 20.0766, 18.2548, 12.1382 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 20.0766, 18.2548, 12.1382

Background



This preview shows how black text looks on a background with the XYZ color 20.0766, 18.2548, 12.1382.



This preview shows how white text looks on a background with the XYZ color 20.0766, 18.2548,

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

20.0766, 18.2548, 12.1382

Protanopia

17.2214, 18.4374, 13.2408

Deuteranopia

18.6357, 18.3313, 12.0073



Tritanopia

21.3282, 18.2953, 18.3268

Trichromacy



Original Color

20.0766, 18.2548, 12.1382

Protanomaly

18.0982, 18.2027, 12.9155

Deuteranomaly

19.0989, 18.2389, 11.9650

Tritanomaly

20.7564, 18.2107, 15.7856

Monochromacy



Original Color

20.0766, 18.2548, 12.1382

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 20.0766, 18.2548, 12.1382 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(151, 109, 90)` looks like.

```
.text, #text, p{  
    color:rgb(151, 109, 90)  
}
```

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(151, 109, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 109, 90) }
```

Border

The CSS property to change the border of an element to XYZ 20.0766, 18.2548, 12.1382 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(151, 109, 90) }
```


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

```
.border{ border-color:rgb(151, 109, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 109, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 109, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 109, 90);  
box-shadow:4px 4px 4px 4px rgb(151, 109,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0766, 18.2548, 12.1382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 109, 90) }
```

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

```
.background{ background-color: rgb(151,  
109, 90) }
```

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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