

Converting Colors

XYZ(20.0013, 17.9400, 15.3805)

Have a look what the booklet for
XYZ(20.0013, 17.9400, 15.3805)
contains.

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Color

**XYZ(20.0740, 18.0205,
15.5170)**

Conversions

Conversions Part 1

Format	Color
Hex	946C68
RGB	148, 108, 104
RGB Percent	58%, 42%, 41%
CMY	0.4196, 0.5765, 0.5922
CMYK	0.00, 0.27, 0.30, 0.42
HSL	5°, 17%, 49%
HSV	5°, 30%, 58%
XYZ	20.0740, 18.0205, 15.5170
YIQ	119.5040, 25.1240, 7.2360

Conversions

Conversions Part 2

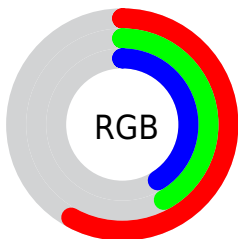
Format	Color
R_{YB}	148, 108, 104
Decimal	9727080
CIE Lab	49.52, 15.34, 8.50
CIE LCh	50, 17.541, 28.986
Yxy	18.0205, 0.3744, 0.3361
Android (android.graphics.Color)	4287917160 (0xFF946C68)
YUV	119.5040, -7.6435, 24.9910
Hunter-Lab	42.4506, 10.1205, 8.0431

Details

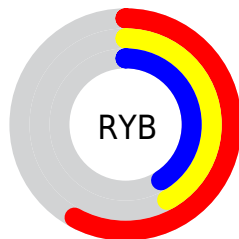
The XYZ color **20.0740, 18.0205, 15.5170** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.0272, 25.0269, 31.7395**, and the grayscale version is **17.7128, 18.6352, 20.2938**.

A 20% lighter version of the original color is **43.1158, 40.2047, 36.4982**, and **7.1782, 6.0139, 4.6534** is the 20% darker color. If you saturate the color by 10%, you get **18.0762, 15.1242, 11.4620**, and if you desaturate by 10%, it is **22.4237, 21.4092, 20.3407**.

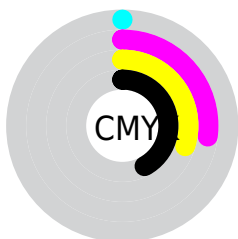
Distribution



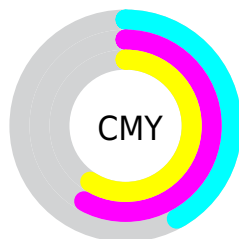
- Red (58%)
- Green (42%)
- Blue (41%)



- Red (58%)
- Yellow (42%)
- Blue (41%)



- Cyan (0%)
- Magenta (27%)
- Yellow (30%)
- Black (42%)





- Cyan (42%)
- Magenta (58%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0740, 18.0205, 15.5170 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 20.0740, 18.0205, 15.5170 by changing the saturation by 10% instead.


 20.0740, 18.0205,
15.5170


 20.0740, 18.0205,
15.5170


245.1414,
240.9866, 238.2221


 12.5574, 10.9647,
9.0324


 43.0442, 40.0723,
36.5127


 7.1994, 6.0431,
4.6652


 59.2286, 55.8370,
51.8608

 3.6345, 2.8713,
1.9969

 79.0329, 75.2735,
71.0006

 1.4975, 1.0649,
0.5534

 102.8225, 98.7662,
94.3505

 0.3242, 0.0000,
0.0000

130.9628,
126.6995, 122.3290

 0.0000, 0.0000,
0.0000

163.8192,

159.4577, 155.3548

201.7569,
197.4253, 193.8463

■ 20.0740, 18.0205,
15.5170

■ 20.0740, 18.0205,
15.5170

■ 18.0762, 15.1242,
11.4620

■ 22.4237, 21.4092,
20.3407

■ 16.4120, 12.6950,
8.1350

■ 25.1396, 25.3091,
25.9687

■ 15.0635, 10.7092,
5.4930


■ 28.2370, 29.7411,
32.4360


■ 14.0106, 9.1399,
3.4883


■ 31.7300, 34.7241,
39.7749


■ 13.2310, 7.9573,
2.0669


■ 35.6316, 40.2761,
48.0161


 12.6989, 7.1279,
1.1660


 39.9547, 46.4143,
57.1888

 12.3697, 6.6063,
0.6347

 44.7114, 53.1553,
67.3209

 12.3627, 6.5958,
0.6215

 49.9132, 60.5149,
78.4392

 55.5713, 68.5082,
90.5694

Harmonies

Analogous

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



20.5211, 18.0205, 19.7835



20.0740, 18.0205, 15.5170



18.8255, 18.0205, 12.7841

Triad

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



20.0740, 18.0205, 15.5170



14.5358, 18.0205, 15.2786



17.0715, 18.0205, 30.2519

Complementary

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



20.0740, 18.0205, 15.5170



21.0272, 25.0269, 31.7395

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.



15.5356, 18.0205, 28.5432



20.0740, 18.0205, 15.5170



14.1311, 18.0205, 19.4600

Square

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



20.0740, 18.0205, 15.5170



15.6275, 18.0205, 12.6630



14.4852, 18.0205, 24.3921



18.7215, 18.0205, 28.7514

Rectangle

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



20.0740, 18.0205, 15.5170



17.7449, 18.0205, 11.9476



14.4852, 18.0205, 24.3921



16.5254, 18.0205, 30.0297

Sweetspot

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



20.0745, 18.0213, 15.5174



44.6401, 45.0616, 46.4085



22.2228, 18.2206, 28.8651



10.0338, 10.0622, 10.2685



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.0745, 18.0213, 15.5174



32.8925, 28.1360, 22.2397



22.6499, 23.1723, 16.3759



5.8407, 5.8952, 6.0705



10.5696, 5.6536, 0.5342



0.1378, 0.0860, 0.0093

Inverse Universe

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



21.0272, 25.0269, 31.7395



34.8604, 42.6316, 55.8260



18.0549, 19.0824, 30.7487



5.9195, 6.4730, 7.4072



11.9212, 16.5372, 26.4947



0.1565, 0.2236, 0.3278

Previews

White Background



This preview shows how the XYZ color 20.0740, 18.0205, 15.5170 looks on a white background.

Color Contrast Check

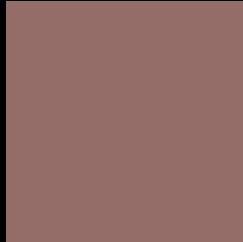
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0740, 18.0205, 15.5170 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 20.0740, 18.0205, 15.5170

Background



This preview shows how black text looks on a background with the XYZ color 20.0740, 18.0205, 15.5170.

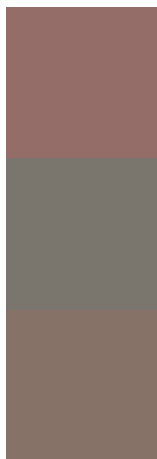


This preview shows how white text looks on a background with the XYZ color 20.0740, 18.0205,

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

20.0740, 18.0205, 15.5170

Protanopia

17.2648, 18.1986, 17.0707

Deuteranopia

18.4572, 18.1648, 15.3653



Tritanopia

20.6430, 17.9354, 18.5935

Trichromacy



Original Color

20.0740, 18.0205, 15.5170

Protanomaly

18.0312, 17.9215, 16.4188

Deuteranomaly

19.0576, 18.1431, 15.3295

Tritanomaly

20.5214, 18.0526, 17.4418

Monochromacy



Original Color

20.0740, 18.0205, 15.5170

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.4886, 18.4515, 18.5066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0740, 18.0205, 15.5170 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(148, 108, 104)` looks like.

```
.text, #text, p{  
    color:rgb(148, 108, 104)  
}
```

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(148, 108, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 108, 104) }
```

Border

The CSS property to change the border of an element to XYZ 20.0740, 18.0205, 15.5170 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(148, 108, 104) }
```


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

```
.border{ border-color:rgb(148, 108, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 108, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 108, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 108, 104);  
box-shadow:4px 4px 4px 4px rgb(148, 108,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0740, 18.0205, 15.5170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 108, 104) }
```

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

```
.background{ background-color: rgb(148,  
108, 104) }
```

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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