

Converting Colors

XYZ(20.8126, 20.1511, 15.1492)

Have a look what the booklet for
XYZ(20.8126, 20.1511, 15.1492)
contains.

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Color

**XYZ(20.6815, 20.0074,
15.0837)**

Conversions

Conversions Part 1

Format	Color
Hex	927665
RGB	146, 118, 101
RGB Percent	57%, 46%, 40%
CMY	0.4274, 0.5372, 0.6039
CMYK	0.00, 0.19, 0.31, 0.43
HSL	23°, 18%, 48%
HSV	23°, 31%, 57%
XYZ	20.6815, 20.0074, 15.0837
YIQ	124.4340, 22.1450, 0.6490

Conversions

Conversions Part 2

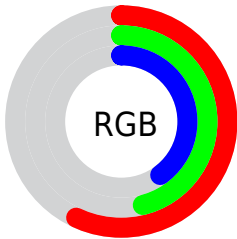
Format	Color
R_{YB}	146, 128, 101
Decimal	9598565
CIE _{Lab}	51.85, 8.30, 13.49
CIE _{LCh}	52, 15.837, 58.404
Yxy	20.0074, 0.3708, 0.3587
Android (android.graphics.Color)	4287788645 (0xFF927665)
YUV	124.4340, -11.5530, 18.9134
Hunter-Lab	44.7296, 4.2556, 11.3170

Details

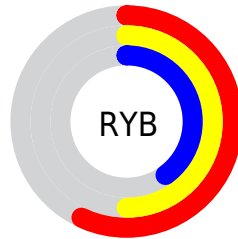
The XYZ color **20.6815, 20.0074, 15.0837** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.4053, 20.5422, 30.1894**, and the grayscale version is **19.3357, 20.3427, 22.1532**.

A 20% lighter version of the original color is **44.1296, 43.4340, 35.7635**, and **7.4721, 7.0263, 4.4524** is the 20% darker color. If you saturate the color by 10%, you get **19.0102, 17.7096, 11.3054**, and if you desaturate by 10%, it is **22.5840, 22.5640, 19.5666**.

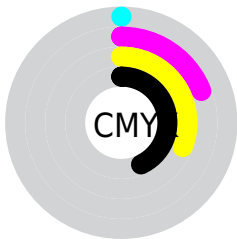
Distribution



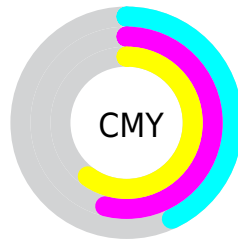
- Red (57%)
- Green (46%)
- Blue (40%)



- Red (57%)
- Yellow (50%)
- Blue (40%)



- Cyan (0%)
- Magenta (19%)
- Yellow (31%)
- Black (43%)



- Cyan (43%)
- Magenta (54%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6815, 20.0074, 15.0837 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 20.6815, 20.0074, 15.0837 by changing the saturation by 10% instead.

■ 20.6815, 20.0074,
15.0837

■ 20.6815, 20.0074,
15.0837

248.3448,
251.9552, 235.5305

■ 13.0025, 12.4004,
8.7309

■ 44.0521, 43.4296,
35.7443

■ 7.5073, 7.0170,
4.4717

■ 60.4745, 60.0136,
50.8892

■ 3.8305, 3.4727,
1.8875

■ 80.5421, 80.3587,
69.8019

■ 1.6067, 1.3832,
0.4848

■ 104.6201,
104.8494, 92.9008

■ 0.3968, 0.2043,
0.0000

133.0741,
133.8700, 120.6046

■ 0.0000, 0.0000,
0.0000

166.2693,

167.8049, 153.3318

204.5711,
207.0385, 191.5009

■ 20.6815, 20.0074,
15.0837

■ 20.6815, 20.0074,
15.0837

■ 19.0102, 17.7096,
11.3054

■ 22.5840, 22.5640,
19.5666

■ 17.5589, 15.6593,
8.1940

■ 24.7252, 25.3846,
24.7865

■ 16.3177, 13.8484,
5.7102

■ 27.1140, 28.4779,
30.7755

■ 15.2753, 12.2673,
3.8100

■ 29.7585, 31.8512,
37.5632

■ 14.4192, 10.9056,
2.4437

■ 32.6665, 35.5115,
45.1778

■ 13.7348, 9.7520,
1.5529

■ 35.8452, 39.4657,
53.6460

■ 13.2282, 8.8590,
1.0128

■ 39.3016, 43.7203,
62.9933

■ 43.0426, 48.2816,
73.2443

■ 47.0747, 53.1559,
84.4224

Harmonies

Analogous

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



21.8656, 20.0074, 17.8409



20.6815, 20.0074, 15.0837



19.1026, 20.0074, 14.0828

Triad

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



20.6815, 20.0074, 15.0837



16.0922, 20.0074, 21.5392



20.5243, 20.0074, 30.5315

Complementary

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



20.6815, 20.0074, 15.0837



18.4053, 20.5422, 30.1894

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.



18.9305, 20.0074, 31.8806



20.6815, 20.0074, 15.0837



16.4262, 20.0074, 26.2706

Square

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



20.6815, 20.0074, 15.0837



16.5044, 20.0074, 17.4699



17.4432, 20.0074, 30.2239



21.7713, 20.0074, 26.7571

Rectangle

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



20.6815, 20.0074, 15.0837



18.0576, 20.0074, 14.4213



17.4432, 20.0074, 30.2239



20.0086, 20.0074, 31.3052

Sweetspot

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



20.6820, 20.0083, 15.0841



44.2782, 45.6422, 45.3635



20.5038, 17.0169, 23.1478



9.7321, 9.9997, 9.7989



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.6820, 20.0083, 15.0841



34.3999, 32.4402, 21.8638



23.5814, 25.8070, 16.0506



5.9697, 6.1531, 6.1135



11.6609, 7.8362, 0.8979



0.1695, 0.1495, 0.0199

Inverse Universe

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



18.4053, 20.5422, 30.1894



29.7210, 33.5282, 52.8787



15.8131, 15.3577, 29.3253



5.7819, 6.1977, 7.3613



7.8674, 8.4297, 25.1435



0.1248, 0.1601, 0.3172

Previews

White Background



This preview shows how the XYZ color 20.6815, 20.0074, 15.0837 looks on a white background.

Color Contrast Check

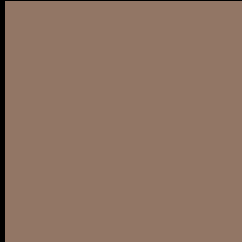
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.6815, 20.0074, 15.0837 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 20.6815, 20.0074, 15.0837

Background



This preview shows how black text looks on a background with the XYZ color 20.6815, 20.0074, 15.0837.



This preview shows how white text looks on a background with the XYZ color 20.6815, 20.0074,

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

20.6815, 20.0074, 15.0837

Protanopia

18.9417, 19.9907, 15.9570

Deuteranopia

20.4474, 20.0625, 15.1067



Tritanopia

21.9816, 20.0126, 21.7730

Trichromacy



Original Color

20.6815, 20.0074, 15.0837

Protanomaly

19.4389, 19.8883, 15.6462

Deuteranomaly

20.6228, 20.1530, 15.1149

Tritanomaly

21.4304, 19.9548, 19.2452

Monochromacy



Original Color

20.6815, 20.0074, 15.0837

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.6276, 20.0856, 19.3654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6815, 20.0074, 15.0837 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(146, 118, 101)` looks like.

```
.text, #text, p{  
    color:rgb(146, 118, 101)  
}
```

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(146, 118, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 118, 101) }
```

Border

The CSS property to change the border of an element to XYZ 20.6815, 20.0074, 15.0837 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(146, 118, 101) }
```


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

```
.border{ border-color:rgb(146, 118, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 118, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 118, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 118, 101);  
box-shadow:4px 4px 4px 4px rgb(146, 118,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6815, 20.0074, 15.0837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 118, 101) }
```

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

```
.background{ background-color: rgb(146,  
118, 101) }
```

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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