

Converting Colors

XYZ(20.3638, 24.1764, 16.0842)

Have a look what the booklet for
XYZ(20.3638, 24.1764, 16.0842)
contains.

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Color

**XYZ(20.3805, 24.1511,
16.1578)**

Conversions

Conversions Part 1

Format	Color
Hex	7E8C66
RGB	126, 140, 102
RGB Percent	49%, 55%, 40%
CMY	0.5059, 0.4510, 0.6000
CMYK	0.10, 0.00, 0.27, 0.45
HSL	82°, 16%, 47%
HSV	82°, 27%, 55%
XYZ	20.3805, 24.1511, 16.1578
YIQ	131.4820, 3.8540, -14.7860

Conversions

Conversions Part 2

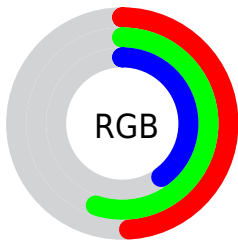
Format	Color
R_{YB}	102, 140, 116
Decimal	8293478
CIE _{Lab}	56.24, -12.10, 18.66
CIE _{LCh}	56, 22.246, 122.966
Yxy	24.1511, 0.3358, 0.3979
Android (android.graphics.Color)	4286483558 (0xFF7E8C66)
YUV	131.4820, -14.5346, -4.8077
Hunter-Lab	49.1438, -11.9755, 14.9069

Details

The XYZ color **20.3805, 24.1511, 16.1578** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.6885, 15.1099, 26.8492**, and the grayscale version is **21.7959, 22.9310, 24.9719**.

A 20% lighter version of the original color is **43.6320, 50.4672, 37.5785**, and **7.3262, 9.1247, 4.9895** is the 20% darker color. If you saturate the color by 10%, you get **19.0030, 23.5153, 12.7700**, and if you desaturate by 10%, it is **21.9158, 24.8562, 20.1661**.

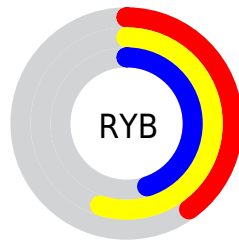
Distribution



Red (49%)

Green (55%)

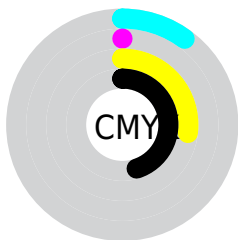
Blue (40%)



Red (40%)

Yellow (55%)

Blue (45%)

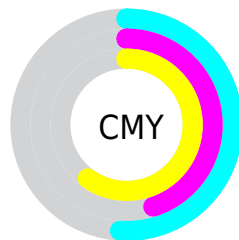


Cyan (10%)

Magenta (0%)

Yellow (27%)

Black (45%)



Cyan (51%)

Magenta (45%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3805, 24.1511, 16.1578 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 20.3805, 24.1511, 16.1578 by changing the saturation by 10% instead.

■ 20.3805, 24.1511,
16.1578

■ 20.3805, 24.1511,
16.1578

246.7621,
273.5835, 242.1485

■ 12.7818, 15.4457,
9.4803

■ 43.5533, 50.2767,
37.6425

■ 7.3544, 9.1328,
4.9547

■ 59.8581, 68.4657,
53.2869

■ 3.7330, 4.8279,
2.1624

■ 79.7957, 90.5847,
72.7572

■ 1.5522, 2.1466,
0.6526

■ 103.7313,
117.0181, 96.4722

■ 0.3610, 0.6907,
0.0000

132.0304,
148.1502, 124.8502

■ 0.0000, 0.0000,
0.0000

165.0584,

184.3656, 158.3099

203.1805,
226.0486, 197.2698

■ 20.3805, 24.1511,
16.1578

■ 20.3805, 24.1511,
16.1578

■ 19.0030, 23.5153,
12.7700

■ 21.9158, 24.8562,
20.1661

■ 17.7749, 22.9429,
9.9702

■ 23.6131, 25.6299,
24.8223

■ 16.6899, 22.4321,
7.7252

■ 25.4786, 26.4755,
30.1539

■ 15.7403, 21.9798,
5.9977

■ 27.5178, 27.3954,
36.1864

■ 14.9175, 21.5825,
4.7461

■ 29.7358, 28.3915,
42.9441

■ 14.2119, 21.2362,
3.9222

■ 32.1375, 29.4660,
50.4499

■ 13.6060, 20.9340,
3.4384

■ 34.7276, 30.6207,
58.7259

■ 13.4424, 20.8521,
3.3164

■ 37.5106, 31.8576,
67.7931

■ 40.4908, 33.1784,
77.6720

Harmonies

Analogous

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



22.7013, 24.1511, 14.5857



20.3805, 24.1511, 16.1578



18.8455, 24.1511, 20.3980

Triad

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



20.3805, 24.1511, 16.1578



20.7905, 24.1511, 40.9498



28.2271, 24.1511, 25.5741

Complementary

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



20.3805, 24.1511, 16.1578



16.6885, 15.1099, 26.8492

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.



27.6220, 24.1511, 33.2347



20.3805, 24.1511, 16.1578



23.2104, 24.1511, 43.0269

Square

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



20.3805, 24.1511, 16.1578



19.0696, 24.1511, 34.7328



25.7374, 24.1511, 39.9781



27.3350, 24.1511, 19.3504

Rectangle

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



20.3805, 24.1511, 16.1578



18.4101, 24.1511, 24.6084



25.7374, 24.1511, 39.9781



28.1922, 24.1511, 28.0599

Sweetspot

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



20.3811, 24.1522, 16.1583



41.3086, 45.0387, 42.8654



19.4521, 19.0110, 15.2149



9.4207, 10.3335, 9.6049



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.3811, 24.1522, 16.1583



34.3087, 41.8304, 24.4527



17.8485, 22.8466, 16.0398



5.2554, 5.7544, 5.3861



11.9656, 18.5385, 2.9476



0.0957, 0.1315, 0.0203

Inverse Universe

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



16.6885, 15.1099, 26.8492



26.6030, 22.9551, 46.7716



19.4668, 16.5422, 26.9793



4.9374, 4.9762, 6.3061



5.4660, 2.3320, 22.2077



0.0515, 0.0233, 0.1482

Previews

White Background



This preview shows how the XYZ color 20.3805, 24.1511, 16.1578 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 20.3805, 24.1511, 16.1578 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

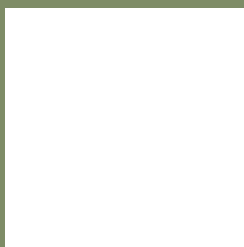
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3805, 24.1511, 16.1578

Background



This preview shows how black text looks on a background with the XYZ color 20.3805, 24.1511, 16.1578.



This preview shows how white text looks on a background with the XYZ color 20.3805, 24.1511,

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

20.3805, 24.1511, 16.1578

Protanopia

22.3269, 23.8996, 15.4929

Deuteranopia

24.4495, 23.9691, 16.4346



Tritanopia

23.1517, 24.0001, 30.2003

Trichromacy



Original Color

20.3805, 24.1511, 16.1578

Protanomaly

21.4697, 23.8663, 15.7870

Deuteranomaly

22.6898, 23.8653, 16.2426

Tritanomaly

21.9725, 23.9391, 24.2315

Monochromacy



Original Color

20.3805, 24.1511, 16.1578

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.9685, 23.0734, 21.1177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3805, 24.1511, 16.1578 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(126, 140, 102)` looks like.

```
.text, #text, p{  
    color:rgb(126, 140, 102)  
}
```

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(126, 140, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 140, 102) }
```

Border

The CSS property to change the border of an element to XYZ 20.3805, 24.1511, 16.1578 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(126, 140, 102) }
```


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

```
.border{ border-color:rgb(126, 140, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 140, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 140, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 140, 102);  
box-shadow:4px 4px 4px 4px rgb(126, 140,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3805, 24.1511, 16.1578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 140, 102) }
```

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

```
.background{ background-color: rgb(126,  
140, 102) }
```

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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