

Converting Colors

XYZ(20.5645, 19.0677, 13.3522)

Have a look what the booklet for
XYZ(20.5645, 19.0677, 13.3522)
contains.

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Color

**XYZ(20.5484, 19.1205,
13.4341)**

Conversions

Conversions Part 1

Format	Color
Hex	96715F
RGB	150, 113, 95
RGB Percent	59%, 44%, 37%
CMY	0.4118, 0.5568, 0.6274
CMYK	0.00, 0.25, 0.37, 0.41
HSL	20°, 22%, 48%
HSV	20°, 37%, 59%
XYZ	20.5484, 19.1205, 13.4341
YIQ	122.0110, 27.8300, 2.2460

Conversions

Conversions Part 2

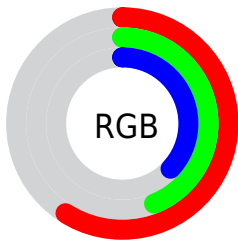
Format	Color
R_{YB}	150, 122, 95
Decimal	9859423
CIE _{Lab}	50.83, 12.04, 15.65
CIE _{LCh}	51, 19.747, 52.441
Yxy	19.1205, 0.3870, 0.3601
Android (android.graphics.Color)	4288049503 (0xFF96715F)
YUV	122.0110, -13.3164, 24.5464
Hunter-Lab	43.7270, 7.3593, 12.3934

Details

The XYZ color **20.5484, 19.1205, 13.4341** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.4754, 21.1368, 31.9604**, and the grayscale version is **18.5384, 19.5039, 21.2397**.

A 20% lighter version of the original color is **43.8203, 41.9647, 32.9846**, and **7.4817, 6.5990, 3.7851** is the 20% darker color. If you saturate the color by 10%, you get **18.8674, 16.7466, 9.8276**, and if you desaturate by 10%, it is **22.4869, 21.7991, 17.7746**.

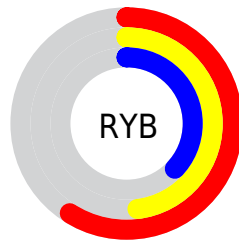
Distribution



Red (59%)

Green (44%)

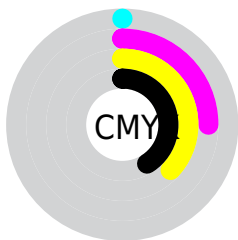
Blue (37%)



Red (59%)

Yellow (48%)

Blue (37%)

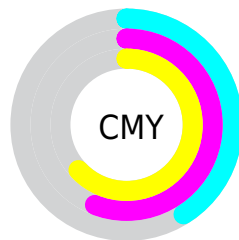


Cyan (0%)

Magenta (25%)

Yellow (37%)

Black (41%)



Cyan (41%)

Magenta (56%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5484, 19.1205, 13.4341 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 20.5484, 19.1205, 13.4341 by changing the saturation by 10% instead.

■ 20.5484, 19.1205,
13.4341

■ 20.5484, 19.1205,
13.4341

247.6460,
247.1132, 224.9860

■ 12.9049, 11.7574,
7.5939

■ 43.8317, 41.9376,
32.7840

■ 7.4396, 6.5787,
3.7522

■ 60.2022, 58.1604,
47.1309

■ 3.7873, 3.2000,
1.4904

■ 80.2123, 78.1052,
65.1503

■ 1.5825, 1.2370,
0.2108

■ 104.2276,
102.1564, 87.2610

■ 0.3810, 0.0917,
0.0000

132.6132,
130.6984, 113.8813

■ 0.0000, 0.0000,
0.0000

165.7346,

164.1156, 145.4299

203.9571,
202.7924, 182.3253

■ 20.5484, 19.1205,
13.4341

■ 20.5484, 19.1205,
13.4341

■ 18.8674, 16.7466,
9.8276

■ 22.4869, 21.7991,
17.7746

■ 17.4308, 14.6635,
6.9128

■ 24.6922, 24.7903,
22.8860

■ 16.2264, 12.8602,
4.6448

■ 27.1751, 28.1049,
28.8039

■ 15.2403, 11.3238,
2.9726

■ 29.9452, 31.7526,
35.5614

■ 14.4569, 10.0403,
1.8379

■ 33.0116, 35.7424,
43.1899

■ 13.8539, 8.9925,
1.1492

■ 36.3830, 40.0833,
51.7189

■ 13.6802, 8.6890,
0.9561

■ 40.0679, 44.7836,
61.1767

■ 44.0742, 49.8516,
71.5902

■ 48.4097, 55.2951,
82.9855

Harmonies

Analogous

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



21.8516, 19.1205, 16.9944



20.5484, 19.1205, 13.4341



18.6696, 19.1205, 11.9084

Triad

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



20.5484, 19.1205, 13.4341



14.7144, 19.1205, 19.4423



19.6379, 19.1205, 32.3627

Complementary

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



20.5484, 19.1205, 13.4341



18.4754, 21.1368, 31.9604

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.



17.6862, 19.1205, 33.3352



20.5484, 19.1205, 13.4341



14.9331, 19.1205, 25.1782

Square

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



20.5484, 19.1205, 13.4341



15.3687, 19.1205, 14.9518



15.9890, 19.1205, 30.5096



21.3003, 19.1205, 28.0496

Rectangle

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



20.5484, 19.1205, 13.4341



17.3801, 19.1205, 12.0179



15.9890, 19.1205, 30.5096



18.9906, 19.1205, 33.1190

Sweetspot

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



20.5489, 19.1214, 13.4345



45.9021, 46.8649, 45.8994



20.8750, 16.3506, 24.0956



10.0561, 10.2304, 9.8945



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.



20.5489, 19.1214, 13.4345



33.7980, 30.2693, 18.3964



24.0093, 26.0423, 14.5880



5.9466, 6.1070, 6.1058



11.3728, 7.2601, 0.8019



0.1639, 0.1383, 0.0181

Inverse Universe

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



18.4754, 21.1368, 31.9604



29.5798, 34.3392, 55.9904



15.2846, 14.7553, 30.8968



5.8057, 6.2455, 7.3692



8.4474, 9.5897, 25.3368



0.1304, 0.1713, 0.3191

Previews

White Background



This preview shows how the XYZ color 20.5484, 19.1205, 13.4341 looks on a white background.

Color Contrast Check

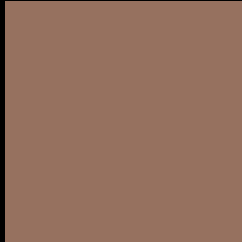
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5484, 19.1205, 13.4341 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 20.5484, 19.1205, 13.4341

Background



This preview shows how black text looks on a background with the XYZ color 20.5484, 19.1205, 13.4341.



This preview shows how white text looks on a background with the XYZ color 20.5484, 19.1205,

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

20.5484, 19.1205, 13.4341

Protanopia

17.9916, 19.1648, 14.5553

Deuteranopia

19.4211, 19.0497, 13.2430



Tritanopia

21.7948, 19.1353, 19.6843

Trichromacy



Original Color

20.5484, 19.1205, 13.4341

Protanomaly

18.8364, 19.0729, 14.2439

Deuteranomaly

19.8282, 19.0894, 13.2292

Tritanomaly

21.2614, 19.0740, 17.3129

Monochromacy



Original Color

20.5484, 19.1205, 13.4341

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.0372, 19.2690, 18.0452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5484, 19.1205, 13.4341 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(150, 113, 95)` looks like.

```
.text, #text, p{  
    color:rgb(150, 113, 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(150, 113, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 113, 95) }
```

Border

The CSS property to change the border of an element to XYZ 20.5484, 19.1205, 13.4341 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(150, 113, 95) }
```


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

```
.border{ border-color:rgb(150, 113, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 113, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 113, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 113, 95);  
box-shadow:4px 4px 4px 4px rgb(150, 113,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5484, 19.1205, 13.4341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 113, 95) }
```

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

```
.background{ background-color: rgb(150,  
113, 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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