

Converting Colors

XYZ(20.4430, 18.2078, 15.5410)

Have a look what the booklet for
XYZ(20.4430, 18.2078, 15.5410)
contains.

XYZ(20.4389, 18.2086, 15.5341)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.4389, 18.2086,
15.5341)**

Conversions

Conversions Part 1

Format	Color
Hex	966C68
RGB	150, 108, 104
RGB Percent	59%, 42%, 41%
CMY	0.4118, 0.5765, 0.5922
CMYK	0.00, 0.28, 0.31, 0.41
HSL	5°, 18%, 50%
HSV	5°, 31%, 59%
XYZ	20.4389, 18.2086, 15.5341
YIQ	120.1020, 26.3160, 7.6600

Conversions

Conversions Part 2

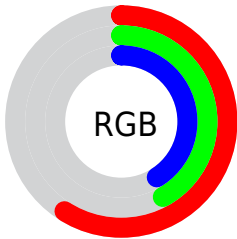
Format	Color
R_{YB}	150, 108, 104
Decimal	9858152
CIE _{Lab}	49.75, 16.16, 8.85
CIE _{LCh}	50, 18.424, 28.720
Yxy	18.2086, 0.3772, 0.3361
Android (android.graphics.Color)	4288048232 (0xFF966C68)
YUV	120.1020, -7.9383, 26.2205
Hunter-Lab	42.6715, 10.8231, 8.2862

Details

The XYZ color **20.4389, 18.2086, 15.5341** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.4925, 25.7020, 32.6824**, and the grayscale version is **17.9043, 18.8367, 20.5132**.

A 20% lighter version of the original color is **43.6640, 40.4873, 36.5238**, and **7.3914, 6.1238, 4.6633** is the 20% darker color. If you saturate the color by 10%, you get **18.4111, 15.2658, 11.4276**, and if you desaturate by 10%, it is **22.8301, 21.6611, 20.4308**.

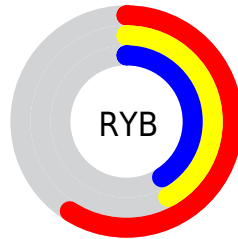
Distribution



Red (59%)

Green (42%)

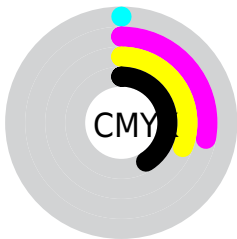
Blue (41%)



Red (59%)

Yellow (42%)

Blue (41%)

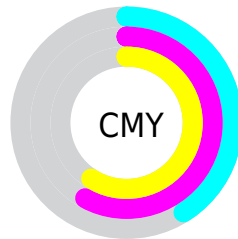


Cyan (0%)

Magenta (28%)

Yellow (31%)

Black (41%)



Cyan (41%)


Magenta (58%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4389, 18.2086, 15.5341 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 20.4389, 18.2086, 15.5341 by changing the saturation by 10% instead.


 20.4389, 18.2086,
15.5341


 20.4389, 18.2086,
15.5341


247.0699,
242.0442, 238.3277


 12.8246, 11.0999,
9.0443


 43.6502, 40.3925,
36.5429


 7.3840, 6.1340,
4.6729


 59.9778, 56.2364,
51.8991

 3.7519, 2.9268,
2.0013

 79.9407, 75.7608,
71.0477

 1.5627, 1.0936,
0.5561

 103.9041, 99.3501,
94.4074

 0.3679, 0.0000,
0.0000

132.2333,
127.3887, 122.3967

 0.0000, 0.0000,
0.0000

165.2938,

160.2610, 155.4342

203.4508,
198.3513, 193.9383

■ 20.4389, 18.2086,
15.5341

■ 20.4389, 18.2086,
15.5341

■ 18.4111, 15.2658,
11.4276

■ 22.8301, 21.6611,
20.4308

■ 16.7276, 12.8062,
8.0689

■ 25.5998, 25.6432,
26.1550

■ 15.3695, 10.8046,
5.4132

■ 28.7639, 30.1767,
32.7428

■ 14.3157, 9.2327,
3.4105

■ 32.3372, 35.2817,
40.2281

■ 13.5425, 8.0589,
2.0042

■ 36.3336, 40.9769,
48.6427

■ 13.0227, 7.2473,
1.1280

■ 40.7661, 47.2806,
58.0170

■ 12.7223, 6.7732,
0.6368

■ 45.6476, 54.2099,
68.3799

■ 50.9902, 61.7815,
79.7593

■ 56.8055, 70.0114,
92.1817

Harmonies

Analogous

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



20.9054, 18.2086, 20.0428



20.4389, 18.2086, 15.5341



19.1191, 18.2086, 12.6587

Triad

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



20.4389, 18.2086, 15.5341



14.5792, 18.2086, 15.2184



17.2314, 18.2086, 31.1462

Complementary

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



20.4389, 18.2086, 15.5341



21.4925, 25.7020, 32.6824

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.



15.6126, 18.2086, 29.2887



20.4389, 18.2086, 15.5341



14.1467, 18.2086, 19.6109

Square

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



20.4389, 18.2086, 15.5341



15.7349, 18.2086, 12.4993



14.5121, 18.2086, 24.8437



18.9799, 18.2086, 29.5696

Rectangle

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



20.4389, 18.2086, 15.5341



17.9754, 18.2086, 11.7766



14.5121, 18.2086, 24.8437



16.6549, 18.2086, 30.8977

Sweetspot

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



20.4394, 18.2095, 15.5345



45.9645, 46.3831, 47.7905



22.7294, 18.4654, 29.6284



10.0304, 10.0554, 10.2673



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.



20.4394, 18.2095, 15.5345



33.4783, 28.3759, 22.1555



23.1704, 23.6715, 16.4448



5.8390, 5.8917, 6.0699



10.5629, 5.6402, 0.5319



0.1373, 0.0851, 0.0092

Inverse Universe

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



21.4925, 25.7020, 32.6824



35.6439, 43.8093, 57.4987



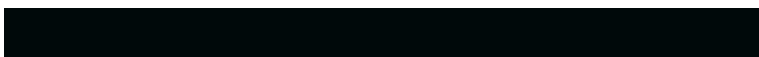
18.3178, 19.3526, 31.6241



5.9214, 6.4768, 7.4078



11.9905, 16.6758, 26.5178



0.1570, 0.2245, 0.3280

Previews

White Background



This preview shows how the XYZ color 20.4389, 18.2086, 15.5341 looks on a white background.

Color Contrast Check

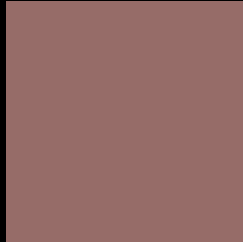
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4389, 18.2086, 15.5341 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 20.4389, 18.2086, 15.5341

Background



This preview shows how black text looks on a background with the XYZ color 20.4389, 18.2086, 15.5341.

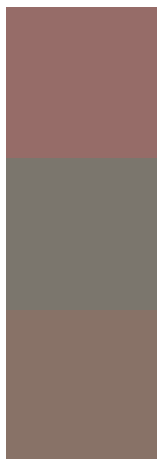


This preview shows how white text looks on a background with the XYZ color 20.4389, 18.2086,

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

20.4389, 18.2086, 15.5341

Protanopia

17.4071, 18.2719, 17.0774

Deuteranopia

18.6188, 18.2481, 15.3729



Tritanopia

21.0110, 18.1252, 18.6108

Trichromacy



Original Color

20.4389, 18.2086, 15.5341

Protanomaly

18.3440, 18.0827, 16.4334

Deuteranomaly

19.2269, 18.2303, 15.3374

Tritanomaly

20.8894, 18.2424, 17.4591

Monochromacy



Original Color

20.4389, 18.2086, 15.5341

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.6427, 18.5310, 18.5138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4389, 18.2086, 15.5341 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, 108, 104)` looks like.

```
.text, #text, p{  
    color:rgb(150, 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(150, 108, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 108, 104) }
```

Border

The CSS property to change the border of an element to XYZ 20.4389, 18.2086, 15.5341 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, 108, 104) }
```


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

```
.border{ border-color:rgb(150, 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(150, 108, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 108, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 108, 104);  
box-shadow:4px 4px 4px 4px rgb(150, 108,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4389, 18.2086, 15.5341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 108, 104) }
```

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

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