

Converting Colors

XYZ(21.2361, 20.1883, 15.8756)

Have a look what the booklet for
XYZ(21.2361, 20.1883, 15.8756)
contains.

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Color

**XYZ(21.3716, 20.3459,
15.8975)**

Conversions

Conversions Part 1

Format	Color
Hex	957668
RGB	149, 118, 104
RGB Percent	58%, 46%, 41%
CMY	0.4157, 0.5372, 0.5922
CMYK	0.00, 0.21, 0.30, 0.42
HSL	19°, 18%, 50%
HSV	19°, 30%, 58%
XYZ	21.3716, 20.3459, 15.8975
YIQ	125.6730, 22.9700, 2.2180

Conversions

Conversions Part 2

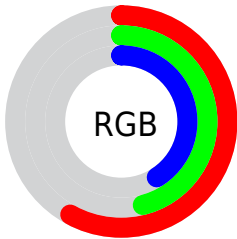
Format	Color
R_{YB}	149, 124, 104
Decimal	9795176
CIE Lab	52.23, 9.97, 12.32
CIE LCh	52, 15.844, 51.023
Yxy	20.3459, 0.3709, 0.3531
Android (android.graphics.Color)	4287985256 (0xFF957668)
YUV	125.6730, -10.6848, 20.4578
Hunter-Lab	45.1064, 5.6377, 10.6781

Details

The XYZ color **21.3716, 20.3459, 15.8975** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.7976, 22.4404, 31.7220**, and the grayscale version is **19.7503, 20.7788, 22.6282**.

A 20% lighter version of the original color is **45.1930, 43.9534, 37.1123**, and **7.8584, 7.2171, 4.8498** is the 20% darker color. If you saturate the color by 10%, you get **19.5371, 17.7830, 11.8762**, and if you desaturate by 10%, it is **23.4724, 23.2273, 20.6679**.

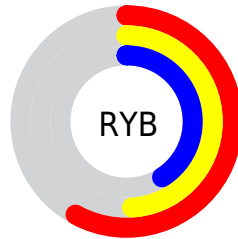
Distribution



Red (58%)

Green (46%)

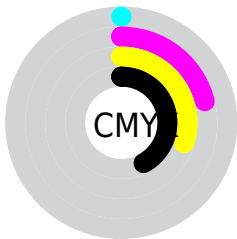
Blue (41%)



Red (58%)

Yellow (49%)

Blue (41%)

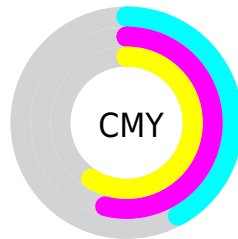


Cyan (0%)

Magenta (21%)

Yellow (30%)

Black (42%)



Cyan (42%)


Magenta (54%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3716, 20.3459, 15.8975 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 21.3716, 20.3459, 15.8975 by changing the saturation by 10% instead.


 21.3716, 20.3459,
15.8975


 21.3716, 20.3459,
15.8975


251.9413,
253.7816, 240.5611


 13.5099, 12.6467,
9.2981


 45.1918, 43.9964,
37.1845

 7.8600, 7.1857,
4.8367


 61.8810, 60.7164,
52.7091

 4.0566, 3.5785,
2.0947


 82.2434, 81.2123,
72.0459

 1.7342, 1.4407,
0.6126

 106.6444,
105.8682, 95.6134

 0.4775, 0.2464,
0.0000

135.4494,
135.0688, 123.8301

 0.0000, 0.0000,
0.0000

169.0236,

169.1982, 157.1146

207.7325,
208.6410, 195.8855

■ 21.3716, 20.3459,
15.8975

■ 21.3716, 20.3459,
15.8975

■ 19.5371, 17.7830,
11.8762

■ 23.4724, 23.2273,
20.6679

■ 17.9562, 15.5245,
8.5643

■ 25.8486, 26.4350,
26.2217

■ 16.6172, 13.5594,
5.9201

■ 28.5105, 29.9799,
32.5929

■ 15.5071, 11.8752,
3.8974

■ 31.4675, 33.8718,
39.8129

■ 14.6111, 10.4579,
2.4436

■ 34.7287, 38.1199,
47.9114

■ 13.9126, 9.2924,
1.4975

■ 38.3026, 42.7331,
56.9167

■ 13.3858, 8.3722,
0.9105

■ 42.1975, 47.7199,
66.8560

■ 46.4213, 53.0888,
77.7551

■ 50.9816, 58.8476,
89.6389

Harmonies

Analogous

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



22.4049, 20.3459, 19.0946



21.3716, 20.3459, 15.8975



19.8300, 20.3459, 14.4355

Triad

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



21.3716, 20.3459, 15.8975



16.4122, 20.3459, 20.7856



20.4813, 20.3459, 31.6035

Complementary

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



21.3716, 20.3459, 15.8975



19.7976, 22.4404, 31.7220

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.



18.8545, 20.3459, 32.2237



21.3716, 20.3459, 15.8975



16.5648, 20.3459, 25.5222

Square

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



21.3716, 20.3459, 15.8975



17.0086, 20.3459, 16.9862



17.4380, 20.3459, 29.8663



21.8712, 20.3459, 28.2744

Rectangle

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



21.3716, 20.3459, 15.8975



18.7467, 20.3459, 14.4772



17.4380, 20.3459, 29.8663



19.9420, 20.3459, 32.1525

Sweetspot

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



21.3721, 20.3468, 15.8979



46.7528, 47.9598, 48.0533



21.7535, 18.0539, 25.4451



10.2275, 10.4496, 10.3330



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.



21.3721, 20.3468, 15.8979



36.0761, 33.3772, 23.6204



24.2714, 26.1455, 16.8644



5.9393, 6.0924, 6.1034



11.2900, 7.0945, 0.7743



0.1621, 0.1347, 0.0175

Inverse Universe

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



19.7976, 22.4404, 31.7220



32.8016, 37.7129, 56.4717



17.0392, 16.9236, 30.8025



5.8134, 6.2608, 7.3718



8.6446, 9.9840, 25.4025



0.1321, 0.1749, 0.3197

Previews

White Background



This preview shows how the XYZ color 21.3716, 20.3459, 15.8975 looks on a white background.

Color Contrast Check

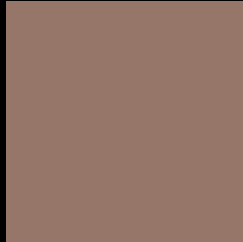
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3716, 20.3459, 15.8975 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 21.3716, 20.3459, 15.8975

Background



This preview shows how black text looks on a background with the XYZ color 21.3716, 20.3459, 15.8975.



This preview shows how white text looks on a background with the XYZ color 21.3716, 20.3459,

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

21.3716, 20.3459, 15.8975

Protanopia

19.2216, 20.3021, 16.8155

Deuteranopia

20.7168, 20.3617, 15.9350



Tritanopia

22.5313, 20.2960, 21.7988

Trichromacy



Original Color

21.3716, 20.3459, 15.8975

Protanomaly

20.0423, 20.3629, 16.5098

Deuteranomaly

20.9496, 20.3041, 15.9116

Tritanomaly

22.0340, 20.2592, 19.5787

Monochromacy



Original Color

21.3716, 20.3459, 15.8975

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.1845, 20.5423, 20.0408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3716, 20.3459, 15.8975 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(149, 118, 104)` looks like.

```
.text, #text, p{  
    color:rgb(149, 118, 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(149, 118, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 118, 104) }
```

Border

The CSS property to change the border of an element to XYZ 21.3716, 20.3459, 15.8975 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(149, 118, 104) }
```


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

```
.border{ border-color:rgb(149, 118, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 118, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 118, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 118, 104);  
box-shadow:4px 4px 4px 4px rgb(149, 118,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3716, 20.3459, 15.8975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 118, 104) }
```

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

```
.background{ background-color: rgb(149,  
118, 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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