

Converting Colors

XYZ(22.4223, 16.5360, 9.5682)

Have a look what the booklet for
XYZ(22.4223, 16.5360, 9.5682)
contains.

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Color

**XYZ(22.3933, 16.5573,
9.6050)**

Conversions

Conversions Part 1

Format	Color
Hex	AE5850
RGB	174, 88, 80
RGB Percent	68%, 35%, 31%
CMY	0.3176, 0.6549, 0.6863
CMYK	0.00, 0.49, 0.54, 0.32
HSL	5°, 37%, 50%
HSV	5°, 54%, 68%
XYZ	22.3933, 16.5573, 9.6050
YIQ	112.8020, 53.8240, 15.7440

Conversions

Conversions Part 2

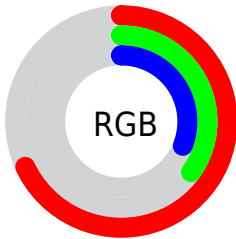
Format	Color
R_{YB}	174, 89, 80
Decimal	11425872
CIE _{Lab}	47.70, 34.26, 20.79
CIE _{LCh}	48, 40.072, 31.255
Yxy	16.5573, 0.4612, 0.3410
Android (android.graphics.Color)	4289615952 (0xFFAE5850)
YUV	112.8020, -16.1714, 53.6706
Hunter-Lab	40.6907, 27.0253, 14.4881

Details

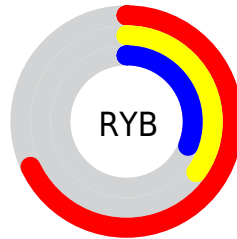
The XYZ color **22.3933, 16.5573, 9.6050** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **24.5837, 32.0323, 44.9316**, and the grayscale version is **15.6730, 16.4892, 17.9568**.

A 20% lighter version of the original color is **46.9448, 37.6648, 25.5646**, and **8.3650, 5.3543, 2.1827** is the 20% darker color. If you saturate the color by 10%, you get **20.6646, 13.9991, 6.2573**, and if you desaturate by 10%, it is **24.5746, 19.7545, 13.9252**.

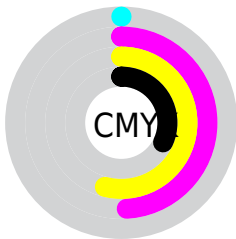
Distribution



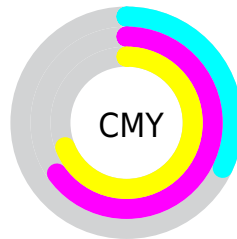
- Red (68%)
- Green (35%)
- Blue (31%)



- Red (68%)
- Yellow (35%)
- Blue (31%)



- Cyan (0%)
- Magenta (49%)
- Yellow (54%)
- Black (32%)



- Cyan (32%)
- Magenta (65%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3933, 16.5573, 9.6050 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 22.3933, 16.5573, 9.6050 by changing the saturation by 10% instead.

■ 22.3933, 16.5573,
9.6050

■ 22.3933, 16.5573,
9.6050

257.1873,
232.6081, 198.2105

■ 14.2644, 9.9194,
5.0357

■ 46.8692, 37.5630,
25.6459

■ 8.3877, 5.3455,
2.2091

■ 63.9469, 52.6996,
37.9547

■ 4.3979, 2.4514,
0.6796

■ 84.7383, 71.4379,
53.6803

■ 1.9296, 0.8521,
0.0000

■ 109.6087, 94.1622,
73.2413

■ 0.5940, 0.0000,
0.0000

■ 138.9234,
121.2570, 97.0563

■ 0.0000, 0.0000,
0.0000

173.0478,

153.1067, 125.5438

212.3473,
190.0956, 159.1223

■ 22.3933, 16.5573,
9.6050

■ 22.3933, 16.5573,
9.6050

■ 20.6646, 13.9991,
6.2573

■ 24.5746, 19.7545,
13.9252

■ 19.3555, 12.0344,
3.8056

■ 27.2361, 23.6268,
19.2845

■ 18.4300, 10.6161,
2.1639

■ 30.4046, 28.2109,
25.7446

■ 17.8461, 9.6885,
1.2282

■ 34.1046, 33.5400,
33.3622

■ 17.6238, 9.3352,
0.8730

■ 38.3590, 39.6453,
42.1901

■ 43.1893, 46.5560,
52.2778

■ 48.6159, 54.3000,
63.6720

■ 54.6582, 62.9038,
76.4173

■ 61.3348, 72.3928,
90.5557

Harmonies

Analogous

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



23.6803, 16.5573, 17.5991



22.3933, 16.5573, 9.6050



19.2890, 16.5573, 5.6707

Triad

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



22.3933, 16.5573, 9.6050



10.4358, 16.5573, 10.1057



15.8887, 16.5573, 45.8300

Complementary

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



22.3933, 16.5573, 9.6050



24.5837, 32.0323, 44.9316

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.



12.6506, 16.5573, 41.4563



22.3933, 16.5573, 9.6050



9.8046, 16.5573, 18.4639

Square

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



22.3933, 16.5573, 9.6050



12.4259, 16.5573, 5.8730



10.5511, 16.5573, 30.3282



19.5900, 16.5573, 40.7075

Rectangle

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



22.3933, 16.5573, 9.6050



16.8082, 16.5573, 4.7118



10.5511, 16.5573, 30.3282



14.7127, 16.5573, 45.4129

Sweetspot

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



22.3937, 16.5582, 9.6053



60.2587, 58.5320, 57.2034



27.2225, 17.4954, 38.0988



13.0854, 12.5665, 12.0796



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



22.3937, 16.5582, 9.6053



36.9165, 24.5469, 10.2723



27.5443, 26.8594, 11.3222



8.0580, 8.1209, 8.3562



12.8022, 6.8099, 0.6397



0.3734, 0.2240, 0.0236

Inverse Universe

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



24.5837, 32.0323, 44.9316



41.2637, 55.5140, 81.1773



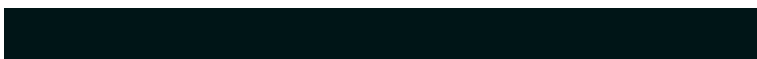
17.5650, 17.9949, 42.5920



8.1771, 8.9537, 10.2499



14.5780, 20.2899, 32.1925



0.4222, 0.5978, 0.9011

Previews

White Background



This preview shows how the XYZ color 22.3933, 16.5573, 9.6050 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 22.3933, 16.5573, 9.6050 looks on a black 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

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

XYZ 22.3933, 16.5573, 9.6050

Background



This preview shows how black text looks on a background with the XYZ color 22.3933, 16.5573, 9.6050.



This preview shows how white text looks on a background with the XYZ color 22.3933, 16.5573,

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

22.3933, 16.5573, 9.6050

Protanopia

15.7908, 16.8549, 12.3186

Deuteranopia

16.9265, 16.6933, 9.1675



Tritanopia

22.9388, 16.5422, 12.1092

Trichromacy



Original Color

22.3933, 16.5573, 9.6050

Protanomaly

17.5871, 16.3667, 11.2490

Deuteranomaly

18.5709, 16.3272, 9.1939

Tritanomaly

22.8488, 16.6349, 11.2391

Monochromacy



Original Color

22.3933, 16.5573, 9.6050

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.2910, 15.9911, 14.4872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3933, 16.5573, 9.6050 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(174, 88, 80)` looks like.

```
.text, #text, p{  
    color:rgb(174, 88, 80)  
}
```

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(174, 88, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 88, 80) }
```

Border

The CSS property to change the border of an element to XYZ 22.3933, 16.5573, 9.6050 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(174, 88, 80) }
```


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

```
.border{ border-color:rgb(174, 88, 80) }
```

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

Here you see how a box with a 4 pixel rgb(174, 88, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 88, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 88, 80);  
box-shadow:4px 4px 4px 4px rgb(174, 88,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3933, 16.5573, 9.6050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 88, 80) }
```

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

```
.background{ background-color: rgb(174, 88,  
80) }
```

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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