

Converting Colors

XYZ(20.2219, 16.0980, 8.3448)

Have a look what the booklet for
XYZ(20.2219, 16.0980, 8.3448)
contains.

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Color

**XYZ(20.2212, 16.0963,
8.3444)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | A35D49 |
| RGB | 163, 93, 73 |
| RGB Percent | 64%, 36%, 29% |
| CMY | 0.3608, 0.6353, 0.7137 |
| CMYK | 0.00, 0.43, 0.55, 0.36 |
| HSL | 13°, 38%, 46% |
| HSV | 13°, 55%, 64% |
| XYZ | 20.2212, 16.0963, 8.3444 |
| YIQ | 111.6500, 48.1400, 8.6200 |

Conversions

Conversions Part 2

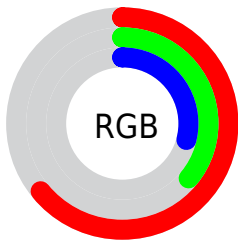
| Format | Color |
|-------------------------------------|--|
| RYB | 163, 99, 73 |
| Decimal | 10706249 |
| CIELab | 47.10, 26.50, 23.84 |
| CIElCh | 47, 35.648, 41.975 |
| Yxy | 16.0963, 0.4528, 0.3604 |
| Android (android.graphics.Color) | 4288896329 (0xFFA35D49) |
| YUV | 111.6500, -19.0544, 45.0340 |
| Hunter-Lab | 40.1202, 19.7564, 15.7527 |

Details

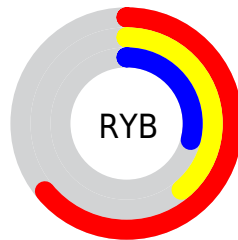
The XYZ color **20.2212, 16.0963, 8.3444** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.1803, 23.7043, 38.2146**, and the grayscale version is **15.3432, 16.1422, 17.5789**.

A 20% lighter version of the original color is **43.3049, 36.7238, 23.2183**, and **7.2236, 5.0913, 1.7644** is the 20% darker color. If you saturate the color by 10%, you get **18.7280, 13.8644, 5.5209**, and if you desaturate by 10%, it is **22.0413, 18.7555, 11.9760**.

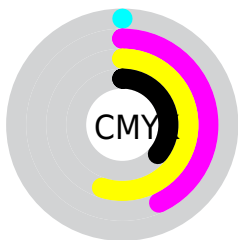
Distribution



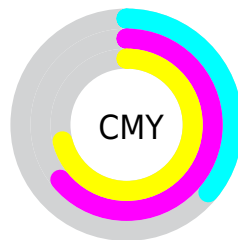
- Red (64%)
- Green (36%)
- Blue (29%)



- Red (64%)
- Yellow (39%)
- Blue (29%)



- Cyan (0%)
- Magenta (43%)
- Yellow (55%)
- Black (36%)



- Cyan (36%)
- Magenta (64%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2212, 16.0963, 8.3444 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 20.2212, 16.0963, 8.3444 by changing the saturation by 10% instead.

■ 20.2212, 16.0963,
8.3444

■ 20.2212, 16.0963,
8.3444

245.9209,
229.9093, 188.4432

■ 12.6651, 9.5923,
4.2252

■ 43.2888, 36.7653,
23.1881

■ 7.2738, 5.1295,
1.7497

■ 59.5311, 51.6991,
34.7497

■ 3.6817, 2.3234,
0.3944

■ 79.3996, 70.2117,
49.6291

■ 1.5237, 0.7861,
0.0000

■ 103.2595, 92.6874,
68.2450

■ 0.3419, 0.0000,
0.0000

■ 131.4762,
119.5106, 91.0158

■ 0.0000, 0.0000,
0.0000

164.4151,

151.0657, 118.3600

202.4415,
187.7371, 150.6963

■ 20.2212, 16.0963,
8.3444

■ 20.2212, 16.0963,
8.3444

■ 18.7280, 13.8644,
5.5209

■ 22.0413, 18.7555,
11.9760

■ 17.5401, 12.0346,
3.4418

■ 24.2057, 21.8604,
16.4707

■ 16.6351, 10.5828,
2.0356

■ 26.7320, 25.4314,
21.8799

■ 15.9855, 9.4807,
1.2114

■ 29.6359, 29.4869,
28.2505

■ 15.7421, 9.0622,
0.9195

■ 32.9326, 34.0442,
35.6263

■ 36.6362, 39.1198,
44.0483

■ 40.7600, 44.7295,
53.5554

■ 45.3169, 50.8883,
64.1843

■ 50.3192, 57.6107,
75.9701

Harmonies

Analogous

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



21.9705, 16.0963, 14.1890



20.2212, 16.0963, 8.3444



17.2370, 16.0963, 5.7179

Triad

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



20.2212, 16.0963, 8.3444



10.2620, 16.0963, 12.7174



16.5814, 16.0963, 40.3588

Complementary

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



20.2212, 16.0963, 8.3444



19.1803, 23.7043, 38.2146

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.



13.5121, 16.0963, 39.5437



20.2212, 16.0963, 8.3444



10.1366, 16.0963, 21.3493

Square

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



20.2212, 16.0963, 8.3444



11.6181, 16.0963, 7.5847



11.2484, 16.0963, 31.7580



19.6853, 16.0963, 33.7077

Rectangle

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



20.2212, 16.0963, 8.3444



15.0927, 16.0963, 5.3311



11.2484, 16.0963, 31.7580



15.5073, 16.0963, 40.9981

Sweetspot

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



20.2216, 16.0971, 8.3447



51.9258, 51.2094, 48.0507



22.4826, 14.5500, 27.8090



11.4358, 11.1857, 10.2930



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.2216, 16.0971, 8.3447



33.0703, 24.1150, 9.0359



25.3237, 26.3013, 10.0454



7.1956, 7.3295, 7.4156



12.2637, 7.1013, 0.7243



0.2897, 0.2133, 0.0259

Inverse Universe

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



19.1803, 23.7043, 38.2146



30.9519, 38.9977, 67.9521



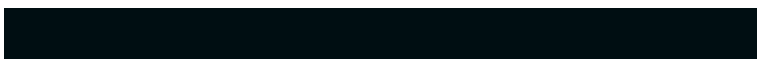
13.7732, 12.8901, 36.4123



7.1420, 7.7429, 9.0212



11.0477, 13.8749, 29.0256



0.2634, 0.3541, 0.6203

Previews

White Background



This preview shows how the XYZ color 20.2212, 16.0963, 8.3444 looks on a white background.

Color Contrast Check

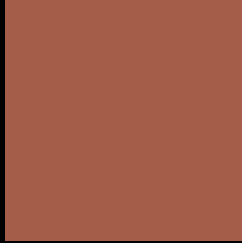
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2212, 16.0963, 8.3444 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 20.2212, 16.0963, 8.3444

Background



This preview shows how black text looks on a background with the XYZ color 20.2212, 16.0963, 8.3444.



This preview shows how white text looks on a background with the XYZ color 20.2212, 16.0963,

8.3444.

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

20.2212, 16.0963, 8.3444

Protanopia

15.1645, 16.2474, 10.1214

Deuteranopia

16.3549, 16.1085, 8.0416



Tritanopia

21.2845, 16.1562, 13.0630

Trichromacy



Original Color

20.2212, 16.0963, 8.3444

Protanomaly

16.5801, 15.8874, 9.4004

Deuteranomaly

17.5658, 15.9774, 8.1194

Tritanomaly

20.8124, 16.0793, 11.2392

Monochromacy



Original Color

20.2212, 16.0963, 8.3444

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.6163, 15.8103, 13.7312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2212, 16.0963, 8.3444 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(163, 93, 73)` looks like.

```
.text, #text, p{  
    color:rgb(163, 93, 73)  
}
```

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(163, 93, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 93, 73) }
```

Border

The CSS property to change the border of an element to XYZ 20.2212, 16.0963, 8.3444 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(163, 93, 73) }
```


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

```
.border{ border-color:rgb(163, 93, 73) }
```

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

Here you see how a box with a 4 pixel rgb(163, 93, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 93, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 93, 73);  
box-shadow:4px 4px 4px 4px rgb(163, 93,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2212, 16.0963, 8.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 93, 73) }
```

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

```
.background{ background-color: rgb(163, 93,  
73) }
```

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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