

Converting Colors

XYZ(22.4518, 16.3889, 8.0239)

Have a look what the booklet for
XYZ(22.4518, 16.3889, 8.0239)
contains.

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Color

**XYZ(22.3696, 16.3406,
7.9363)**

Conversions

Conversions Part 1

Format	Color
Hex	B05647
RGB	176, 86, 71
RGB Percent	69%, 34%, 28%
CMY	0.3098, 0.6627, 0.7216
CMYK	0.00, 0.51, 0.60, 0.31
HSL	9°, 43%, 48%
HSV	9°, 60%, 69%
XYZ	22.3696, 16.3406, 7.9363
YIQ	111.2000, 58.4550, 14.4150

Conversions

Conversions Part 2

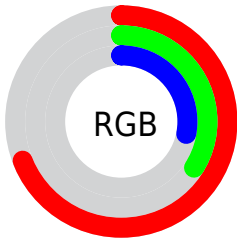
Format	Color
R_{YB}	176, 89, 71
Decimal	11556423
CIE Lab	47.42, 35.35, 25.80
CIE LCh	47, 43.763, 36.121
Yxy	16.3406, 0.4796, 0.3503
Android (android.graphics.Color)	4289746503 (0xFFB05647)
YUV	111.2000, -19.8186, 56.8296
Hunter-Lab	40.4235, 28.0374, 16.6561

Details

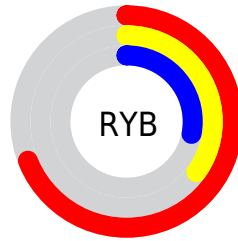
The XYZ color **22.3696, 16.3406, 7.9363** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **23.1790, 29.9622, 45.6357**, and the grayscale version is **15.2119, 16.0041, 17.4285**.

A 20% lighter version of the original color is **46.7396, 37.1952, 22.4852**, and **8.2999, 5.1924, 1.6017** is the 20% darker color. If you saturate the color by 10%, you get **20.8045, 13.9872, 5.0200**, and if you desaturate by 10%, it is **24.3533, 19.2696, 11.7994**.

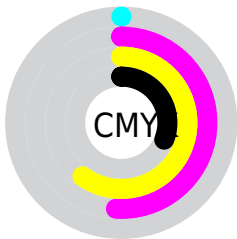
Distribution



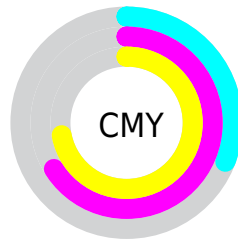
- Red (69%)
- Green (34%)
- Blue (28%)



- Red (69%)
- Yellow (35%)
- Blue (28%)



- Cyan (0%)
- Magenta (51%)
- Yellow (60%)
- Black (31%)





- Cyan (31%)
- Magenta (66%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.3696, 16.3406, 7.9363 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 22.3696, 16.3406, 7.9363 by changing the saturation by 10% instead.


 22.3696, 16.3406,
7.9363


 22.3696, 16.3406,
7.9363


257.0666,
231.3432, 185.1474


 14.2469, 9.7655,
3.9670


 46.8304, 37.1885,
22.3776

 8.3754, 5.2437,
1.6073


 63.8992, 52.2301,
33.6867

 4.3899, 2.3910,
0.2960

 84.6807, 70.8626,
48.2794

 1.9250, 0.8212,
0.0000

 109.5403, 93.4705,
66.5744

 0.5913, 0.0000,
0.0000

 138.8434,
120.4381, 88.9902

 0.0000, 0.0000,
0.0000

172.9552,

152.1498, 115.9452

212.2411,
188.9900, 147.8581

■ 22.3696, 16.3406,
7.9363

■ 22.3696, 16.3406,
7.9363

■ 20.8045, 13.9872,
5.0200

■ 24.3533, 19.2696,
11.7994

■ 19.6260, 12.1687,
2.9676

■ 26.7820, 22.8061,
16.6810

■ 18.7996, 10.8431,
1.6830

■ 29.6812, 26.9828,
22.6467

■ 18.2697, 9.9555,
0.9759

■ 33.0742, 31.8294,
29.7564

■ 18.2553, 9.9318,
0.9549

■ 36.9826, 37.3735,
38.0658

■ 41.4269, 43.6414,
47.6268

■ 46.4264, 50.6578,
58.4882

■ 51.9994, 58.4464,
70.6962

■ 58.1633, 67.0297,
84.2948

Harmonies

Analogous

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



24.1914, 16.3406, 15.6101



22.3696, 16.3406, 7.9363



18.7508, 16.3406, 4.5346

Triad

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



22.3696, 16.3406, 7.9363



9.6601, 16.3406, 10.4696



16.3403, 16.3406, 48.6080

Complementary

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



22.3696, 16.3406, 7.9363



23.1790, 29.9622, 45.6357

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.



12.7031, 16.3406, 45.3480



22.3696, 16.3406, 7.9363



9.2324, 16.3406, 20.1686

Square

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



22.3696, 16.3406, 7.9363



11.5359, 16.3406, 5.5133



10.2514, 16.3406, 33.5904



20.3565, 16.3406, 41.2292

Rectangle

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



22.3696, 16.3406, 7.9363



16.0414, 16.3406, 3.8562



10.2514, 16.3406, 33.5904



15.0320, 16.3406, 48.7505

Sweetspot

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



22.3700, 16.3415, 7.9366



60.8831, 59.0046, 55.8645



26.6793, 16.3453, 35.9311



12.7861, 12.2062, 11.2449



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.



22.3700, 16.3415, 7.9366



36.8850, 24.0722, 7.5917



28.0587, 27.7188, 9.8328



8.5911, 8.6947, 8.8780



13.4212, 7.3409, 0.7096



0.4529, 0.2922, 0.0325

Inverse Universe

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



23.1790, 29.9622, 45.6357



38.3881, 50.8719, 82.2913



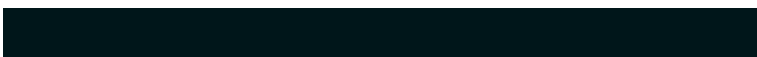
15.9572, 15.5186, 43.2284



8.6371, 9.4204, 10.8694



13.8843, 18.5690, 32.9894



0.4651, 0.6407, 1.0474

Previews

White Background



This preview shows how the XYZ color 22.3696, 16.3406, 7.9363 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 22.3696, 16.3406, 7.9363 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 22.3696, 16.3406, 7.9363

Background



This preview shows how black text looks on a background with the XYZ color 22.3696, 16.3406, 7.9363.



This preview shows how white text looks on a background with the XYZ color 22.3696, 16.3406,

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

22.3696, 16.3406, 7.9363

Protanopia

15.4542, 16.5570, 10.3639

Deuteranopia

16.6922, 16.4487, 7.6053



Tritanopia

23.0279, 16.2549, 11.3750

Trichromacy



Original Color

22.3696, 16.3406, 7.9363

Protanomaly

17.3807, 16.0013, 9.3802

Deuteranomaly

18.3631, 16.1110, 7.6107

Tritanomaly

22.8248, 16.2970, 9.9253

Monochromacy



Original Color

22.3696, 16.3406, 7.9363

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.8544, 15.4982, 13.1695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3696, 16.3406, 7.9363 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(176, 86, 71)` looks like.

```
.text, #text, p{  
    color:rgb(176, 86, 71)  
}
```

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(176, 86, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 86, 71) }
```

Border

The CSS property to change the border of an element to XYZ 22.3696, 16.3406, 7.9363 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(176, 86, 71) }
```


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

```
.border{ border-color:rgb(176, 86, 71) }
```

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

Here you see how a box with a 4 pixel rgb(176, 86, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 86, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 86, 71);  
box-shadow:4px 4px 4px 4px rgb(176, 86,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3696, 16.3406, 7.9363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 86, 71) }
```

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

```
.background{ background-color: rgb(176, 86,  
71) }
```

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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