

Converting Colors

XYZ(22.3593, 15.7474, 5.4331)

Have a look what the booklet for
XYZ(22.3593, 15.7474, 5.4331)
contains.

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Color

**XYZ(22.3806, 15.7165,
5.4684)**

Conversions

Conversions Part 1

Format	Color
Hex	B45037
RGB	180, 80, 55
RGB Percent	71%, 31%, 22%
CMY	0.2941, 0.6862, 0.7843
CMYK	0.00, 0.56, 0.69, 0.29
HSL	12°, 53%, 46%
HSV	12°, 69%, 71%
XYZ	22.3806, 15.7165, 5.4684
YIQ	107.0500, 67.6250, 13.4250

Conversions

Conversions Part 2

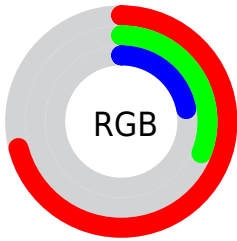
Format	Color
R_{YB}	180, 86, 55
Decimal	11817015
CIE _{Lab}	46.60, 38.93, 34.14
CIE _{LCh}	47, 51.778, 41.254
Yxy	15.7165, 0.5137, 0.3608
Android (android.graphics.Color)	4290007095 (0xFFB45037)
YUV	107.0500, -25.6606, 63.9772
Hunter-Lab	39.6440, 31.3931, 19.5725

Details

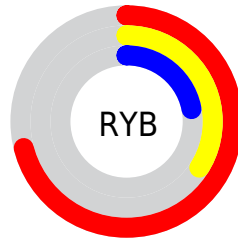
The XYZ color **22.3806, 15.7165, 5.4684** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **21.5339, 27.5479, 47.3619**, and the grayscale version is **14.0454, 14.7769, 16.0920**.

A 20% lighter version of the original color is **46.9751, 36.1826, 17.3400**, and **8.3849, 4.9678, 0.8336** is the 20% darker color. If you saturate the color by 10%, you get **21.0815, 13.6875, 3.2812**, and if you desaturate by 10%, it is **24.0637, 18.2620, 8.5601**.

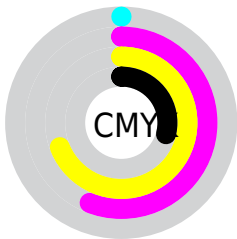
Distribution



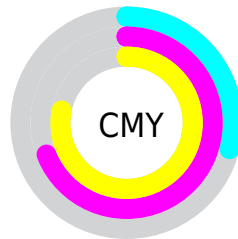
- Red (71%)
- Green (31%)
- Blue (22%)



- Red (71%)
- Yellow (34%)
- Blue (22%)



- Cyan (0%)
- Magenta (56%)
- Yellow (69%)
- Black (29%)





- Cyan (29%)
- Magenta (69%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3806, 15.7165, 5.4684 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 22.3806, 15.7165, 5.4684 by changing the saturation by 10% instead.


 22.3806, 15.7165,
5.4684


 22.3806, 15.7165,
5.4684


257.1226,
227.6630, 163.3661


 14.2550, 9.3238,
2.4611


 46.8484, 36.1053,
17.2753


 8.3811, 4.9530,
0.8194


 63.9214, 50.8702,
26.9120

 4.3936, 2.2197,
0.0000

 84.7075, 69.1946,
39.5957

 1.9271, 0.7307,
0.0000

 109.5720, 91.4629,
55.7447

 0.5925, 0.0000,
0.0000

 138.8805,
118.0595, 75.7777

 0.0000, 0.0000,
0.0000

 172.9982,

149.3688, 100.1133

212.2904,
185.7751, 129.1699

■ 22.3806, 15.7165,
5.4684

■ 22.3806, 15.7165,
5.4684

■ 21.0815, 13.6875,
3.2812

■ 24.0637, 18.2620,
8.5601

■ 20.1327, 12.1362,
1.8975

■ 26.1584, 21.3542,
12.6407

■ 19.4833, 11.0167,
1.1283

■ 28.6908, 25.0239,
17.7861

■ 19.4533, 10.9655,
1.0912

■ 31.6846, 29.2987,
24.0641

■ 35.1616, 34.2046,
31.5371

■ 39.1423, 39.7660,
40.2630

■ 43.6459, 46.0058,
50.2958

■ 48.6907, 52.9461,
61.6862

■ 54.2940, 60.6078,
74.4825

Harmonies

Analogous

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



25.0590, 15.7165, 12.7423



22.3806, 15.7165, 5.4684



17.8757, 15.7165, 2.7812

Triad

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



22.3806, 15.7165, 5.4684



8.1849, 15.7165, 10.3552



16.6799, 15.7165, 54.4143

Complementary

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



22.3806, 15.7165, 5.4684



21.5339, 27.5479, 47.3619

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.



12.3413, 15.7165, 52.6328



22.3806, 15.7165, 5.4684



7.9917, 15.7165, 22.3828

Square

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



22.3806, 15.7165, 5.4684



9.9549, 15.7165, 4.4722



9.3609, 15.7165, 39.0308



21.3562, 15.7165, 43.1084

Rectangle

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



22.3806, 15.7165, 5.4684



14.7507, 15.7165, 2.4116



9.3609, 15.7165, 39.0308



15.1270, 15.7165, 55.4317

Sweetspot

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



22.3810, 15.7174, 5.4687



62.4789, 60.2264, 54.4159



26.1048, 14.8022, 32.4913



13.1255, 12.4841, 10.9450



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.3810, 15.7174, 5.4687



37.2942, 23.3148, 4.5316



29.2593, 29.4741, 7.7614



8.6295, 8.7715, 8.8908



13.6167, 7.7319, 0.7747



0.4687, 0.3238, 0.0378

Inverse Universe

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



21.5339, 27.5479, 47.3619



35.4684, 45.7443, 85.2548



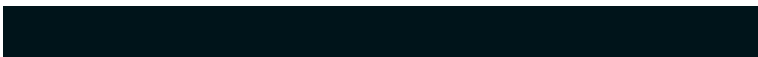
13.6843, 11.8488, 44.7454



8.5954, 9.3370, 10.8555



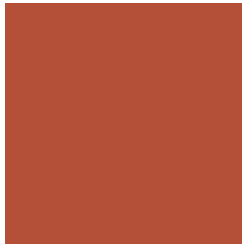
12.7575, 16.3155, 32.6138



0.4382, 0.5869, 1.0384

Previews

White Background



This preview shows how the XYZ color 22.3806, 15.7165, 5.4684 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 22.3806, 15.7165, 5.4684 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 22.3806, 15.7165, 5.4684

Background



This preview shows how black text looks on a background with the XYZ color 22.3806, 15.7165, 5.4684.



This preview shows how white text looks on a background with the XYZ color 22.3806, 15.7165,

5.4684.

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

22.3806, 15.7165, 5.4684

Protanopia

14.6938, 15.8998, 7.4488

Deuteranopia

16.2110, 15.9416, 5.2402



Tritanopia

23.2329, 15.7407, 9.7964

Trichromacy



Original Color

22.3806, 15.7165, 5.4684

Protanomaly

16.7544, 15.3018, 6.6279

Deuteranomaly

18.0314, 15.5696, 5.3037

Tritanomaly

22.9501, 15.7404, 7.9595

Monochromacy



Original Color

22.3806, 15.7165, 5.4684

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.8677, 14.3223, 11.1607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3806, 15.7165, 5.4684 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(180, 80, 55)` looks like.

```
.text, #text, p{  
    color:rgb(180, 80, 55)  
}
```

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(180, 80, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 80, 55) }
```

Border

The CSS property to change the border of an element to XYZ 22.3806, 15.7165, 5.4684 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(180, 80, 55) }
```


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

```
.border{ border-color:rgb(180, 80, 55) }
```

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

Here you see how a box with a 4 pixel rgb(180, 80, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 80, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 80, 55);  
box-shadow:4px 4px 4px 4px rgb(180, 80,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3806, 15.7165, 5.4684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 80, 55) }
```

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

```
.background{ background-color: rgb(180, 80,  
55) }
```

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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