

Converting Colors

XYZ(22.6496, 15.5704, 3.5391)

Have a look what the booklet for
XYZ(22.6496, 15.5704, 3.5391)
contains.

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Color

**XYZ(22.7550, 15.6317,
3.5682)**

Conversions

Conversions Part 1

Format	Color
Hex	B84D25
RGB	184, 77, 37
RGB Percent	72%, 30%, 15%
CMY	0.2784, 0.6980, 0.8549
CMYK	0.00, 0.58, 0.80, 0.28
HSL	16°, 67%, 43%
HSV	16°, 80%, 72%
XYZ	22.7550, 15.6317, 3.5682
YIQ	104.4330, 76.6120, 10.2440

Conversions

Conversions Part 2

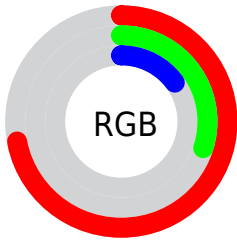
Format	Color
RYB	184, 92, 37
Decimal	12078373
CIELab	46.49, 41.12, 43.74
CIELCh	46, 60.033, 46.762
Yxy	15.6317, 0.5424, 0.3726
Android (android.graphics.Color)	4290268453 (0xFFB84D25)
YUV	104.4330, -33.2445, 69.7803
Hunter-Lab	39.5369, 33.5438, 22.3250

Details

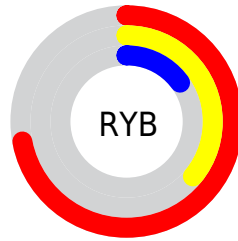
The XYZ color **22.7550, 15.6317, 3.5682** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **19.3871, 23.7988, 48.9189**, and the grayscale version is **13.3471, 14.0422, 15.2919**.

A 20% lighter version of the original color is **47.4960, 35.9492, 13.0299**, and **8.6388, 4.9384, 0.4979** is the 20% darker color. If you saturate the color by 10%, you get **21.6929, 13.8594, 2.1302**, and if you desaturate by 10%, it is **24.1562, 17.8499, 5.8373**.

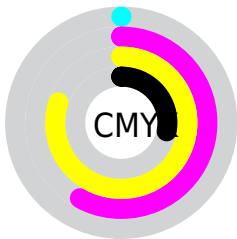
Distribution



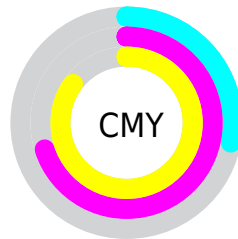
- Red (72%)
- Green (30%)
- Blue (15%)



- Red (72%)
- Yellow (36%)
- Blue (15%)



- Cyan (0%)
- Magenta (58%)
- Yellow (80%)
- Black (28%)





- Cyan (28%)
- Magenta (70%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7550, 15.6317, 3.5682 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 22.7550, 15.6317, 3.5682 by changing the saturation by 10% instead.


 22.7550, 15.6317,
3.5682


 22.7550, 15.6317,
3.5682


259.0230,
227.1585, 143.2977


 14.5324, 9.2639,
1.3916


 47.4603, 35.9576,
13.0010


 8.5761, 4.9137,
0.1351


 64.6738, 50.6846,
21.0942


 4.5206, 2.1967,
0.0000

 85.6149, 68.9667,
31.9968

 2.0007, 0.7182,
0.0000

 110.6491, 91.1883,
46.1271

 0.6343, 0.0000,
0.0000

 140.1416,
117.7340, 63.9039

 0.0000, 0.0000,
0.0000

 174.4579,

148.9879, 85.7455

213.9632,
185.3347, 112.0706

22.7550, 15.6317,
3.5682

22.7550, 15.6317,
3.5682

21.6929, 13.8594,
2.1302

24.1562, 17.8499,
5.8373

20.9183, 12.4910,
1.3143

25.9258, 20.5408,
9.0419

20.9108, 12.4779,
1.3064

28.0904, 23.7321,
13.2717

30.6739, 27.4483,
18.6055

33.6982, 31.7124,
25.1144

■ 37.1833, 36.5459,
32.8635

■ 41.1482, 41.9691,
41.9130

■ 45.6108, 48.0012,
52.3193

■ 50.5879, 54.6607,
64.1354

Harmonies

Analogous

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



26.5446, 15.6317, 10.0627



22.7550, 15.6317, 3.5682



17.2506, 15.6317, 1.6307

Triad

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



22.7550, 15.6317, 3.5682



7.1332, 15.6317, 11.3008



17.9107, 15.6317, 61.3841

Complementary

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



22.7550, 15.6317, 3.5682



19.3871, 23.7988, 48.9189

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.



12.6966, 15.6317, 62.4553



22.7550, 15.6317, 3.5682



7.2306, 15.6317, 26.6151

Square

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



22.7550, 15.6317, 3.5682



8.7315, 15.6317, 4.0229



9.0381, 15.6317, 47.3010



23.3338, 15.6317, 44.8973

Rectangle

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



22.7550, 15.6317, 3.5682



13.7181, 15.6317, 1.5166



9.0381, 15.6317, 47.3010



16.0582, 15.6317, 63.7925

Sweetspot

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



22.7553, 15.6326, 3.5685



64.4495, 62.1670, 52.9518



25.5241, 13.5517, 27.9778



13.4204, 12.7437, 10.3663



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.7553, 15.6326, 3.5685



38.2171, 23.1561, 2.7306



30.9595, 32.0409, 6.3032



9.1982, 9.3993, 9.4364



14.4632, 8.7027, 0.9175



0.5631, 0.4133, 0.0501

Inverse Universe

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



19.3871, 23.7988, 48.9189



31.5407, 37.8094, 87.8402



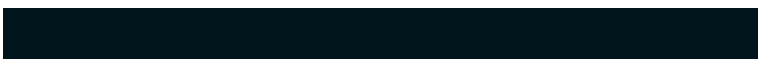
11.6871, 8.3989, 46.3523



9.0544, 9.7860, 11.4911



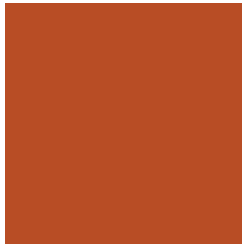
11.8921, 14.2439, 33.3756



0.4678, 0.5992, 1.1928

Previews

White Background



This preview shows how the XYZ color 22.7550, 15.6317, 3.5682 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 22.7550, 15.6317, 3.5682 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 22.7550, 15.6317, 3.5682

Background



This preview shows how black text looks on a background with the XYZ color 22.7550, 15.6317, 3.5682.



This preview shows how white text looks on a background with the XYZ color 22.7550, 15.6317,

3.5682.

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

22.7550, 15.6317, 3.5682

Protanopia

14.3460, 15.7771, 4.8739

Deuteranopia

15.9086, 15.6760, 3.2859



Tritanopia

23.9718, 15.7400, 8.7959

Trichromacy



Original Color

22.7550, 15.6317, 3.5682

Protanomaly

16.5749, 15.1178, 4.3299

Deuteranomaly

17.8571, 15.2519, 3.2991

Tritanomaly

23.3259, 15.5596, 6.3313

Monochromacy



Original Color

22.7550, 15.6317, 3.5682

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.1235, 13.5711, 9.4118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7550, 15.6317, 3.5682 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(184, 77, 37)` looks like.

```
.text, #text, p{  
    color:rgb(184, 77, 37)  
}
```

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(184, 77, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 77, 37) }
```

Border

The CSS property to change the border of an element to XYZ 22.7550, 15.6317, 3.5682 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(184, 77, 37) }
```


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

```
.border{ border-color:rgb(184, 77, 37) }
```

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

Here you see how a box with a 4 pixel rgb(184, 77, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 77, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 77, 37);  
box-shadow:4px 4px 4px 4px rgb(184, 77,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7550, 15.6317, 3.5682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 77, 37) }
```

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

```
.background{ background-color: rgb(184, 77,  
37) }
```

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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