

Converting Colors

XYZ(22.2370, 17.1470, 3.6333)

Have a look what the booklet for
XYZ(22.2370, 17.1470, 3.6333)
contains.

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Color

**XYZ(22.2473, 17.1169,
3.6447)**

Conversions

Conversions Part 1

Format	Color
Hex	B15C22
RGB	177, 92, 34
RGB Percent	69%, 36%, 13%
CMY	0.3059, 0.6392, 0.8667
CMYK	0.00, 0.48, 0.81, 0.31
HSL	24°, 68%, 41%
HSV	24°, 81%, 69%
XYZ	22.2473, 17.1169, 3.6447
YIQ	110.8030, 69.2780, -0.0180

Conversions

Conversions Part 2

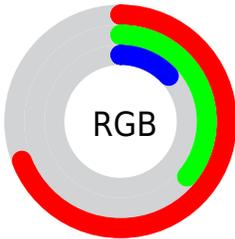
Format	Color
RYB	177, 132, 34
Decimal	11623458
CIELab	48.41, 30.52, 46.59
CIELCh	48, 55.699, 56.768
Yxy	17.1169, 0.5173, 0.3980
Android (android.graphics.Color)	4289813538 (0xFFB15C22)
YUV	110.8030, -37.8639, 58.0548
Hunter-Lab	41.3726, 23.5829, 23.7377

Details

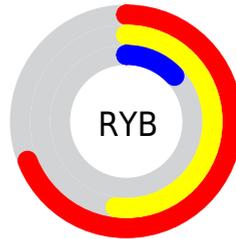
The XYZ color **22.2473, 17.1169, 3.6447** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **15.1917, 16.7069, 44.0186**, and the grayscale version is **15.1450, 15.9338, 17.3519**.

A 20% lighter version of the original color is **46.6437, 38.4466, 13.1462**, and **8.3719, 5.6529, 0.6499** is the 20% darker color. If you saturate the color by 10%, you get **21.2057, 15.3426, 2.3459**, and if you desaturate by 10%, it is **23.5477, 19.1988, 5.6783**.

Distribution



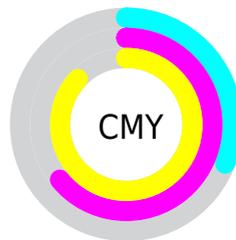
- Red (69%)
- Green (36%)
- Blue (13%)



- Red (69%)
- Yellow (52%)
- Blue (13%)



- Cyan (0%)
- Magenta (48%)
- Yellow (81%)
- Black (31%)



- Cyan (31%)
- Magenta (64%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2473, 17.1169, 3.6447 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 22.2473, 17.1169, 3.6447 by changing the saturation by 10% instead.

■ 22.2473, 17.1169,
3.6447

■ 22.2473, 17.1169,
3.6447

256.4432,
235.8451, 144.1903

■ 14.1563, 10.3179,
1.4325

■ 46.6302, 38.5267,
13.1817

■ 8.3119, 5.6102,
0.1669

■ 63.6529, 53.9062,
21.3436

■ 4.3487, 2.6096,
0.0000

■ 84.3835, 72.9147,
32.3257

■ 1.9012, 0.9315,
0.0000

■ 109.1874, 95.9365,
46.5468

■ 0.5775, 0.0000,
0.0000

■ 138.4300,
123.3560, 64.4252

■ 0.0000, 0.0000,
0.0000

■ 172.4765,

155.5577, 86.3796

211.6925,
192.9260, 112.8285

22.2473, 17.1169,
3.6447

22.2473, 17.1169,
3.6447

21.2057, 15.3426,
2.3459

23.5477, 19.1988,
5.6783

20.4355, 13.9554,
1.6166

25.1283, 21.6023,
8.5411

27.0092, 24.3437,
12.3139

29.2080, 27.4371,
17.0676

31.7408, 30.8956,
22.8662

■ 34.6224, 34.7316,
29.7679

■ 37.8666, 38.9568,
37.8268

■ 41.4867, 43.5825,
47.0934

■ 45.4949, 48.6193,
57.6150

Harmonies

Analogous

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



26.6718, 17.1169, 8.6450



22.2473, 17.1169, 3.6447



16.8274, 17.1169, 2.3187

Triad

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



22.2473, 17.1169, 3.6447



8.3199, 17.1169, 17.1007



21.0900, 17.1169, 56.5642

Complementary

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



22.2473, 17.1169, 3.6447



15.1917, 16.7069, 44.0186

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.



15.7233, 17.1169, 63.0005



22.2473, 17.1169, 3.6447



8.9987, 17.1169, 34.3366

Square

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



22.2473, 17.1169, 3.6447



9.3758, 17.1169, 7.1058



11.4710, 17.1169, 53.3144



25.9116, 17.1169, 38.6185

Rectangle

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



22.2473, 17.1169, 3.6447



13.6043, 17.1169, 2.6167



11.4710, 17.1169, 53.3144



19.2609, 17.1169, 60.4503

Sweetspot

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



22.2477, 17.1178, 3.6450



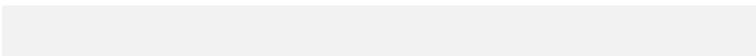
60.0662, 59.6373, 48.6047



22.0814, 11.8424, 18.8278



12.6300, 12.4083, 9.6072



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.



22.2477, 17.1178, 3.6450



36.8024, 25.3390, 3.1489



31.4639, 35.5503, 6.7171



8.7699, 9.0524, 8.9376



14.8628, 10.2242, 1.1901



0.5256, 0.4376, 0.0568

Inverse Universe

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



15.1917, 16.7069, 44.0186



23.5607, 24.2529, 77.9348



9.6648, 5.6531, 42.1763



8.4478, 9.0417, 10.8063



9.4856, 9.7716, 31.5232



0.3540, 0.4184, 1.0104

Previews

White Background



This preview shows how the XYZ color 22.2473, 17.1169, 3.6447 looks on a white background.

Color Contrast Check

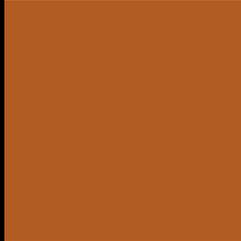
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2473, 17.1169, 3.6447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

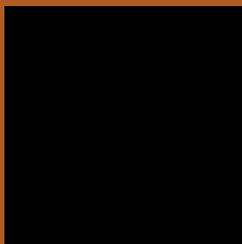
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.2473, 17.1169, 3.6447

Background



This preview shows how black text looks on a background with the XYZ color 22.2473, 17.1169, 3.6447.



This preview shows how white text looks on a background with the XYZ color 22.2473, 17.1169,

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

22.2473, 17.1169, 3.6447

Protanopia

15.6817, 17.3111, 4.5223

Deuteranopia

17.4508, 17.2507, 3.4469



Tritanopia

24.0819, 17.1316, 12.1627

Trichromacy



Original Color

22.2473, 17.1169, 3.6447

Protanomaly

17.4616, 16.7663, 4.1496

Deuteranomaly

18.9892, 16.9623, 3.5015

Tritanomaly

23.2175, 17.0181, 8.0224

Monochromacy



Original Color

22.2473, 17.1169, 3.6447

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.5033, 15.6761, 10.3396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2473, 17.1169, 3.6447 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(177, 92, 34)` looks like.

```
.text, #text, p{  
    color:rgb(177, 92, 34)  
}
```

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(177, 92, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 92, 34) }
```

Border

The CSS property to change the border of an element to XYZ 22.2473, 17.1169, 3.6447 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(177, 92, 34) }
```

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

```
.border{ border-color:rgb(177, 92, 34) }
```

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

Here you see how a box with a 4 pixel rgb(177, 92, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 92, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 92, 34);  
box-shadow:4px 4px 4px 4px rgb(177, 92,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2473, 17.1169, 3.6447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 92, 34) }
```

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

```
.background{ background-color: rgb(177, 92,  
34) }
```

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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