

Converting Colors

XYZ(22.1173, 15.0326, 1.7359)

Have a look what the booklet for
XYZ(22.1173, 15.0326, 1.7359)
contains.

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Color

**XYZ(22.2159, 15.0879,
1.7413)**

Conversions

Conversions Part 1

Format	Color
Hex	B84A00
RGB	184, 74, 0
RGB Percent	72%, 29%, 0%
CMY	0.2784, 0.7098, 1.0000
CMYK	0.00, 0.60, 1.00, 0.28
HSL	24°, 100%, 36%
HSV	24°, 100%, 72%
XYZ	22.2159, 15.0879, 1.7413
YIQ	98.4540, 89.3140, 0.3060

Conversions

Conversions Part 2

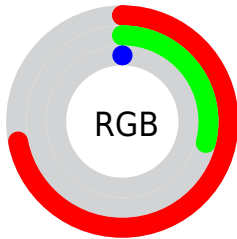
Format	Color
RYB	184, 124, 0
Decimal	12077568
CIELab	45.75, 41.81, 56.08
CIElCh	46, 69.956, 53.294
Yxy	15.0879, 0.5690, 0.3864
Android (android.graphics.Color)	4290267648 (0xFFB84A00)
YUV	98.4540, -48.5378, 75.0238
Hunter-Lab	38.8431, 34.1156, 24.5323

Details

The XYZ color **22.2159, 15.0879, 1.7413** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.2269, 14.6111, 47.4173**, and the grayscale version is **11.8254, 12.4412, 13.5485**.

A 20% lighter version of the original color is **46.5823, 35.0014, 8.3038**, and **8.4185, 4.7113, 0.4657** is the 20% darker color. If you saturate the color by 10%, you get **22.2162, 15.0886, 1.7415**, and if you desaturate by 10%, it is **23.1285, 16.7333, 2.6005**.

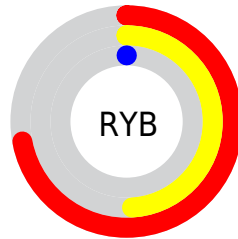
Distribution



Red (72%)

Green (29%)

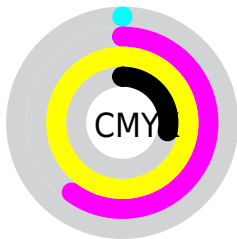
Blue (0%)



Red (72%)

Yellow (49%)

Blue (0%)

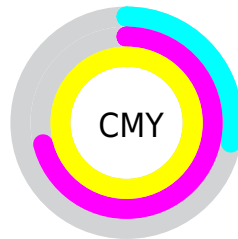


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (28%)



Cyan (28%)

Magenta (71%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2159, 15.0879, 1.7413 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 22.2159, 15.0879, 1.7413 by changing the saturation by 10% instead.

■ 22.2159, 15.0879,
1.7413

■ 22.2159, 15.0879,
1.7413

■ 256.2829,
223.8976, 118.2208

■ 14.1331, 8.8811,
0.3888

■ 46.5788, 35.0073,
8.3207

■ 8.2956, 4.6637,
0.0000

■ 63.5896, 49.4887,
14.4915

■ 4.3381, 2.0513,
0.0000

■ 84.3071, 67.4971,
23.1412

■ 1.8951, 0.6370,
0.0000

■ 109.0967, 89.4169,
34.6882


■ 0.5740, 0.0000,
0.0000


■ 138.3237,
115.6324, 49.5511


■ 0.0000, 0.0000,
0.0000


■ 172.3535,


146.5281, 68.1485


 211.5515,
182.4884, 90.8989


 22.2159, 15.0879,
1.7413

 22.2159, 15.0879,
1.7413


 22.2162, 15.0886,
1.7415

 23.1285, 16.7333,
2.6005

 24.2812, 18.6894,
4.0616

 25.7196, 20.9845,
6.3346

 27.4685, 23.6372,
9.5230

 29.5495, 26.6644,
13.7148

■ 31.9818, 30.0818,
18.9873

■ 34.7831, 33.9039,
25.4104

■ 37.9698, 38.1443,
33.0479

■ 41.5570, 42.8162,
41.9588

Harmonies

Analogous

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



27.4341, 15.0879, 6.6620



22.2159, 15.0879, 1.7413



15.7019, 15.0879, 0.6579

Triad

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



22.2159, 15.0879, 1.7413



5.7873, 15.0879, 12.9294



19.2925, 15.0879, 67.7289

Complementary

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



22.2159, 15.0879, 1.7413



14.2269, 14.6111, 47.4173

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.



13.0603, 15.0879, 74.1376



22.2159, 15.0879, 1.7413



6.2607, 15.0879, 32.8482

Square

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



22.2159, 15.0879, 1.7413



7.0517, 15.0879, 3.6793



8.5885, 15.0879, 58.4640



25.4492, 15.0879, 44.3788

Rectangle

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



22.2159, 15.0879, 1.7413



11.8947, 15.0879, 0.7555



8.5885, 15.0879, 58.4640



17.1007, 15.0879, 72.3871

Sweetspot

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



22.2162, 15.0888, 1.7415



62.7829, 61.0944, 45.4267



22.6033, 11.3248, 15.8609



13.0619, 12.5297, 8.6965



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.



22.2162, 15.0888, 1.7415



40.0538, 26.9135, 3.0838



33.3305, 37.3172, 5.4463



9.2932, 9.5893, 9.4680



15.3768, 10.5300, 1.2220



0.6032, 0.4934, 0.0635

Inverse Universe

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



14.2269, 14.6111, 47.4173



25.5497, 26.0057, 85.8776



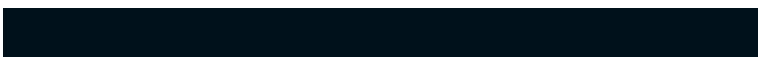
8.8745, 3.9064, 45.6332



8.9554, 9.5881, 11.4581



9.8758, 10.2114, 32.7036



0.4071, 0.4778, 1.1725

Previews

White Background



This preview shows how the XYZ color 22.2159, 15.0879, 1.7413 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 22.2159, 15.0879, 1.7413 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 22.2159, 15.0879, 1.7413

Background



This preview shows how black text looks on a background with the XYZ color 22.2159, 15.0879, 1.7413.



This preview shows how white text looks on a background with the XYZ color 22.2159, 15.0879,

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

22.2159, 15.0879, 1.7413

Protanopia

13.7462, 15.1919, 2.7801

Deuteranopia

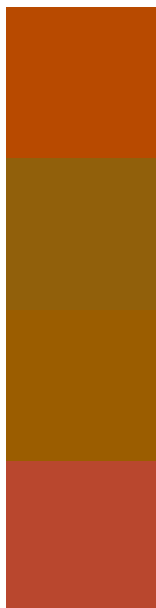
15.4315, 15.3039, 2.1406



Tritanopia

23.5804, 15.1764, 7.9898

Trichromacy



Original Color

22.2159, 15.0879, 1.7413

Protanomaly

15.9203, 14.4096, 2.2589

Deuteranomaly

17.4319, 14.7973, 1.9374

Tritanomaly

22.7540, 15.0180, 4.2843

Monochromacy



Original Color

22.2159, 15.0879, 1.7413

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.4951, 12.1597, 6.1932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2159, 15.0879, 1.7413 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, 74, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 74, 0)  
}
```

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, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 74, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.2159, 15.0879, 1.7413 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, 74, 0) }
```


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

```
.border{ border-color:rgb(184, 74, 0) }
```

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

Here you see how a box with a 4 pixel rgb(184, 74, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 74, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 74, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 74, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.2159, 15.0879, 1.7413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 74, 0) }
```

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

```
.background{ background-color: rgb(184, 74,  
0) }
```

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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