

Converting Colors

XYZ(22.5671, 15.0738, 1.7201)

Have a look what the booklet for
XYZ(22.5671, 15.0738, 1.7201)
contains.

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Color

**XYZ(22.5671, 15.0738,
1.7201)**

Conversions

Conversions Part 1

Format	Color
Hex	BA4800
RGB	186, 72, 0
RGB Percent	73%, 28%, 0%
CMY	0.2706, 0.7176, 1.0000
CMYK	0.00, 0.61, 1.00, 0.27
HSL	23°, 100%, 36%
HSV	23°, 100%, 73%
XYZ	22.5671, 15.0738, 1.7201
YIQ	97.8780, 91.0560, 1.7760

Conversions

Conversions Part 2

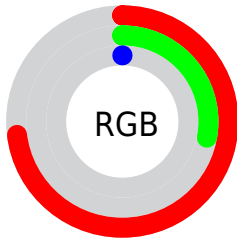
Format	Color
R _Y B	186, 117, 0
Decimal	12208128
CIE Lab	45.74, 43.51, 56.26
CIE LCh	46, 71.119, 52.280
Yxy	15.0738, 0.5733, 0.3830
Android (android.graphics.Color)	4290398208 (0xFFBA4800)
YUV	97.8780, -48.2539, 77.2830
Hunter-Lab	38.8250, 35.8097, 24.5507

Details

The XYZ color **22.5671, 15.0738, 1.7201** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.8797, 15.5788, 48.6769**, and the grayscale version is **11.6801, 12.2884, 13.3820**.

A 20% lighter version of the original color is **47.0383, 34.8605, 8.2526**, and **8.4975, 4.6557, 0.4508** is the 20% darker color. If you saturate the color by 10%, you get **22.5673, 15.0745, 1.7202**, and if you desaturate by 10%, it is **23.4882, 16.7336, 2.5904**.

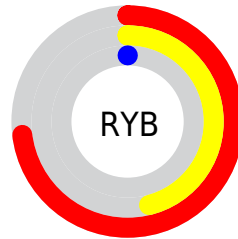
Distribution



Red (73%)

Green (28%)

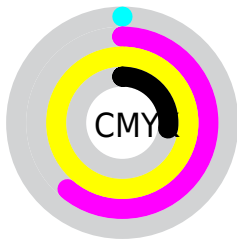
Blue (0%)



Red (73%)

Yellow (46%)

Blue (0%)

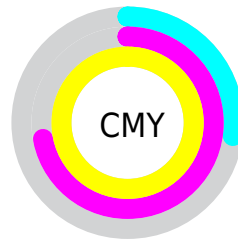


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (72%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5671, 15.0738, 1.7201 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 22.5671, 15.0738, 1.7201 by changing the saturation by 10% instead.

■ 22.5671, 15.0738,
1.7201

■ 22.5671, 15.0738,
1.7201

■ 258.0707,
223.8125, 117.8669

■ 14.3931, 8.8712,
0.3745

■ 47.1534, 34.9826,
8.2604

■ 8.4781, 4.6573,
0.0000

■ 64.2965, 49.4576,
14.4043

■ 4.4567, 2.0476,
0.0000

■ 85.1599, 67.4588,
23.0219

■ 1.9636, 0.6349,
0.0000

■ 110.1092, 89.3707,
34.5320


■ 0.6134, 0.0000,
0.0000


■ 139.5095,
115.5776, 49.3530


■ 0.0000, 0.0000,
0.0000


■ 173.7263,


146.4639, 67.9034


 213.1249,
182.4141, 90.6019


 22.5671, 15.0738,
1.7201


 22.5671, 15.0738,
1.7201

 22.5673, 15.0745,
1.7202

 23.4882, 16.7336,
2.5904

 24.6614, 18.7234,
4.0811

 26.1338, 21.0730,
6.4062

 27.9312, 23.8028,
9.6721

 30.0763, 26.9310,
13.9695

■ 32.5893, 30.4744,
19.3779

■ 35.4887, 34.4487,
25.9692

■ 38.7918, 38.8690,
33.8090

■ 42.5145, 43.7491,
42.9581

Harmonies

Analogous

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



27.8027, 15.0738, 6.8325



22.5671, 15.0738, 1.7201



15.9264, 15.0738, 0.5858

Triad

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



22.5671, 15.0738, 1.7201



5.6925, 15.0738, 12.3782



19.1388, 15.0738, 69.5576

Complementary

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



22.5671, 15.0738, 1.7201



14.8797, 15.5788, 48.6769

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.



12.8388, 15.0738, 75.3637



22.5671, 15.0738, 1.7201



6.1095, 15.0738, 32.3128

Square

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



22.5671, 15.0738, 1.7201



7.0261, 15.0738, 3.3917



8.3857, 15.0738, 58.6141



25.4704, 15.0738, 45.8898

Rectangle

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



22.5671, 15.0738, 1.7201



12.0201, 15.0738, 0.6545



8.3857, 15.0738, 58.6141



16.9120, 15.0738, 74.1148

Sweetspot

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



22.5674, 15.0747, 1.7203



64.0471, 62.0632, 46.4235



23.3269, 11.6700, 17.1526



13.5978, 12.9774, 9.0592



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.5674, 15.0747, 1.7203



40.6871, 26.8881, 3.0455



33.5788, 37.0975, 5.3908



9.2821, 9.5671, 9.4643



15.2506, 10.2776, 1.1800



0.5983, 0.4837, 0.0618

Inverse Universe

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



14.8797, 15.5788, 48.6769



26.7282, 27.7530, 88.1495



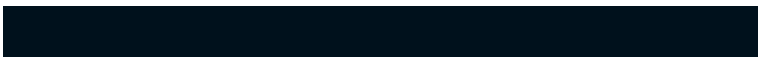
9.1442, 4.1077, 46.7651



8.9668, 9.6109, 11.4619



10.0849, 10.6296, 32.7732



0.4136, 0.4909, 1.1747

Previews

White Background



This preview shows how the XYZ color 22.5671, 15.0738, 1.7201 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 22.5671, 15.0738, 1.7201 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 22.5671, 15.0738, 1.7201

Background



This preview shows how black text looks on a background with the XYZ color 22.5671, 15.0738, 1.7201.



This preview shows how white text looks on a background with the XYZ color 22.5671, 15.0738,

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

22.5671, 15.0738, 1.7201

Protanopia

13.7546, 15.1952, 2.8241

Deuteranopia

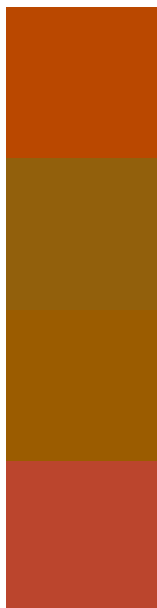
15.4315, 15.3039, 2.1406



Tritanopia

23.8835, 15.1606, 7.6287

Trichromacy



Original Color

22.5671, 15.0738, 1.7201

Protanomaly

16.1033, 14.5033, 2.2985

Deuteranomaly

17.3447, 14.6229, 1.9083

Tritanomaly

23.0953, 15.0105, 4.1627

Monochromacy



Original Color

22.5671, 15.0738, 1.7201

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.6478, 12.2384, 6.2004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5671, 15.0738, 1.7201 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(186, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 72, 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(186, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 72, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.5671, 15.0738, 1.7201 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(186, 72, 0) }
```


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

```
.border{ border-color:rgb(186, 72, 0) }
```

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

Here you see how a box with a 4 pixel rgb(186, 72, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 72, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.5671, 15.0738, 1.7201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 72, 0) }
```

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

```
.background{ background-color: rgb(186, 72,  
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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