

Converting Colors

XYZ(22.8308, 13.6727, 1.4358)

Have a look what the booklet for
XYZ(22.8308, 13.6727, 1.4358)
contains.

XYZ(22.7590, 13.6226, 1.4299)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.7590, 13.6226,
1.4299)**

Conversions

Conversions Part 1

Format	Color
Hex	BF3500
RGB	191, 53, 0
RGB Percent	75%, 21%, 0%
CMY	0.2510, 0.7921, 1.0000
CMYK	0.00, 0.72, 1.00, 0.25
HSL	17°, 100%, 37%
HSV	17°, 100%, 75%
XYZ	22.7590, 13.6226, 1.4299
YIQ	88.2200, 99.2610, 12.7730

Conversions

Conversions Part 2

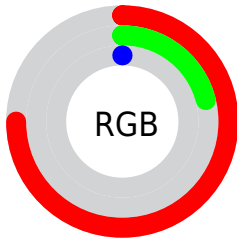
Format	Color
R_{YB}	191, 73, 0
Decimal	12530944
CIE Lab	43.69, 53.22, 55.72
CIE LCh	44, 77.051, 46.318
Yxy	13.6226, 0.6019, 0.3603
Android (android.graphics.Color)	4290721024 (0xFFBF3500)
YUV	88.2200, -43.4925, 90.1381
Hunter-Lab	36.9088, 45.4777, 23.5392

Details

The XYZ color **22.7590, 13.6226, 1.4299** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **18.4912, 21.9361, 52.5494**, and the grayscale version is **9.4019, 9.8915, 10.7718**.

A 20% lighter version of the original color is **47.2922, 32.2610, 7.3488**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **22.7592, 13.6233, 1.4300**, and if you desaturate by 10%, it is **23.6000, 15.1153, 2.2944**.

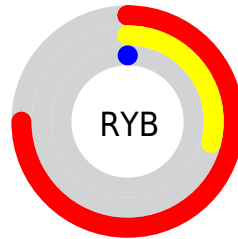
Distribution



Red (75%)

Green (21%)

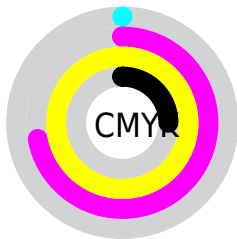
Blue (0%)



Red (75%)

Yellow (29%)

Blue (0%)

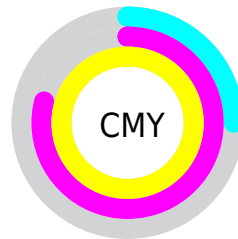


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (79%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 22.7590, 13.6226, 1.4299 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 22.7590, 13.6226, 1.4299 by changing the saturation by 10% instead.


 22.7590, 13.6226,
1.4299


 22.7590, 13.6226,
1.4299


 259.0433,
214.8702, 112.7802


 14.5354, 7.8587,
0.1649


 47.4669, 32.4179,
7.4137


 8.5781, 4.0046,
0.0000


 64.6818, 46.2180,
13.1701

 4.5219, 1.6762,
0.0000

 85.6246, 63.4656,
21.3277

 2.0014, 0.4081,
0.0000

 110.6606, 84.5451,
32.3048


 0.6348, 0.0000,
0.0000


 140.1551,
109.8410, 46.5201


 0.0000, 0.0000,
0.0000


 174.4734,


139.7375, 64.3920


 213.9810,
174.6191, 86.3392


 22.7590, 13.6226,
1.4299


 22.7590, 13.6226,
1.4299

 22.7592, 13.6233,
1.4300

 23.6000, 15.1153,
2.2944

 24.7522, 17.0443,
3.8362

 26.2708, 19.4528,
6.2807

 28.1886, 22.3724,
9.7436

 30.5344, 25.8321,
14.3233

■ 33.3340, 29.8583,
20.1062

■ 36.6112, 34.4757,
27.1703

■ 40.3880, 39.7073,
35.5869

■ 44.6847, 45.5752,
45.4221

Harmonies

Analogous

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



27.6292, 13.6226, 7.3027



22.7590, 13.6226, 1.4299



15.8990, 13.6226, 0.0320

Triad

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



22.7590, 13.6226, 1.4299



4.6147, 13.6226, 8.2655



16.4993, 13.6226, 75.2875

Complementary

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



22.7590, 13.6226, 1.4299



18.4912, 21.9361, 52.5494

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.



10.3866, 13.6226, 76.4655



22.7590, 13.6226, 1.4299



4.6847, 13.6226, 26.3015

Square

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



22.7590, 13.6226, 1.4299



6.2254, 13.6226, 1.6702



6.4606, 13.6226, 54.3289



23.3148, 13.6226, 51.7933

Rectangle

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



22.7590, 13.6226, 1.4299



11.7093, 13.6226, 0.0000



6.4606, 13.6226, 54.3289



14.2708, 13.6226, 78.7043

Sweetspot

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



22.7593, 13.6234, 1.4301



65.2720, 61.3282, 48.0061



26.2243, 12.9718, 25.9584



13.7633, 12.6678, 9.3029



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



22.7593, 13.6234, 1.4301



40.5878, 24.0509, 2.5031



31.8316, 31.7680, 4.4542



9.7399, 9.9559, 9.9850



15.0164, 9.0715, 0.9595



0.6453, 0.4695, 0.0566

Inverse Universe

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



18.4912, 21.9361, 52.5494



32.9031, 38.8581, 94.0453



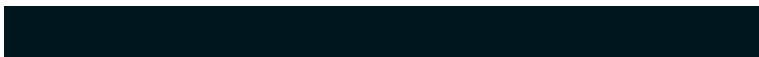
10.3259, 5.6056, 49.8276



9.5787, 10.3496, 12.1650



12.2226, 14.5569, 34.5585



0.5311, 0.6748, 1.3711

Previews

White Background



This preview shows how the XYZ color 22.7590, 13.6226, 1.4299 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



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 22.7590, 13.6226, 1.4299

Background



This preview shows how black text looks on a background with the XYZ color 22.7590, 13.6226, 1.4299.



This preview shows how white text looks on a background with the XYZ color 22.7590, 13.6226,

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

22.7590, 13.6226, 1.4299

Protanopia

12.5231, 13.9392, 2.7400

Deuteranopia

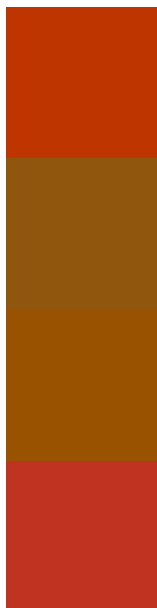
13.8219, 13.7490, 1.9253



Tritanopia

23.4764, 13.7267, 4.5441

Trichromacy



Original Color

22.7590, 13.6226, 1.4299

Protanomaly

14.9020, 12.6139, 2.0301

Deuteranomaly

16.1542, 12.8069, 1.6206

Tritanomaly

23.1828, 13.6784, 2.7848

Monochromacy



Original Color

22.7590, 13.6226, 1.4299

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

11.6873, 9.6777, 4.9934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7590, 13.6226, 1.4299 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(191, 53, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 53, 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(191, 53, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 53, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.7590, 13.6226, 1.4299 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(191, 53, 0) }
```


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

```
.border{ border-color:rgb(191, 53, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 53, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 53, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 53, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 53, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.7590, 13.6226, 1.4299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 53, 0) }
```

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

```
.background{ background-color: rgb(191, 53,  
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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