

Converting Colors

XYZ(22.7766, 13.7986, 1.3247)

Have a look what the booklet for
XYZ(22.7766, 13.7986, 1.3247)
contains.

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Color

**XYZ(22.8520, 13.8087,
1.4609)**

Conversions

Conversions Part 1

Format	Color
Hex	BF3700
RGB	191, 55, 0
RGB Percent	75%, 22%, 0%
CMY	0.2510, 0.7843, 1.0000
CMYK	0.00, 0.71, 1.00, 0.25
HSL	17°, 100%, 37%
HSV	17°, 100%, 75%
XYZ	22.8520, 13.8087, 1.4609
YIQ	89.3940, 98.7110, 11.7270

Conversions

Conversions Part 2

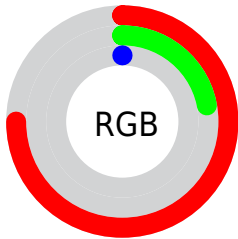
Format	Color
R_{YB}	191, 77, 0
Decimal	12531456
CIE _{Lab}	43.96, 52.47, 55.85
CIE _{LCh}	44, 76.632, 46.787
Yxy	13.8087, 0.5995, 0.3622
Android (android.graphics.Color)	4290721536 (0xFFBF3700)
YUV	89.3940, -44.0712, 89.1085
Hunter-Lab	37.1601, 44.7405, 23.6811

Details

The XYZ color **22.8520, 13.8087, 1.4609** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **18.2069, 21.3675, 52.4545**, and the grayscale version is **9.6633, 10.1666, 11.0714**.

A 20% lighter version of the original color is **47.5297, 32.6974, 7.5475**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **22.8522, 13.8094, 1.4610**, and if you desaturate by 10%, it is **23.7082, 15.3319, 2.3304**.

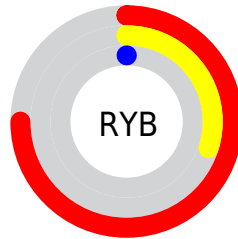
Distribution



Red (75%)

Green (22%)

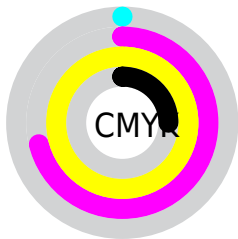
Blue (0%)



Red (75%)

Yellow (30%)

Blue (0%)

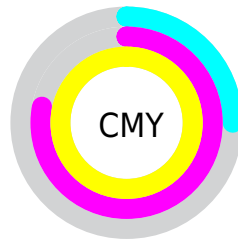


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (78%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 22.8520, 13.8087, 1.4609 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 22.8520, 13.8087, 1.4609 by changing the saturation by 10% instead.


 22.8520, 13.8087,
1.4609


 22.8520, 13.8087,
1.4609


 259.5135,
216.0375, 113.3472


 14.6044, 7.9877,
0.1885


 47.6186, 32.7492,
7.5063


 8.6267, 4.0871,
0.0000


 64.8684, 46.6375,
13.3059

 4.5536, 1.7224,
0.0000

 85.8495, 63.9838,
21.5147

 2.0199, 0.4381,
0.0000

 110.9273, 85.1723,
32.5514

 0.6451, 0.0000,
0.0000


 140.4673,
110.5876, 46.8344


 0.0000, 0.0000,
0.0000


 174.8348,


140.6139, 64.7824


 214.3950,
175.6358, 86.8138


 22.8520, 13.8087,
1.4609


 22.8520, 13.8087,
1.4609


 22.8522, 13.8094,
1.4610

 23.7082, 15.3319,
2.3304

 24.8717, 17.2834,
3.8760

 26.3970, 19.7052,
6.3227

 28.3162, 22.6277,
9.7860

 30.6576, 26.0788,
14.3642

■ 33.4467, 30.0838,
20.1435

■ 36.7067, 34.6667,
27.2018

■ 40.4591, 39.8498,
35.6103

■ 44.7241, 45.6541,
45.4348

Harmonies

Analogous

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



27.7761, 13.8087, 7.2983



22.8520, 13.8087, 1.4609



15.9784, 13.8087, 0.0829

Triad

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



22.8520, 13.8087, 1.4609



4.7239, 13.8087, 8.6143



16.7937, 13.8087, 75.1423

Complementary

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



22.8520, 13.8087, 1.4609



18.2069, 21.3675, 52.4545

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.



10.6328, 13.8087, 76.7308



22.8520, 13.8087, 1.4609



4.8199, 13.8087, 26.9074

Square

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



22.8520, 13.8087, 1.4609



6.3221, 13.8087, 1.7952



6.6437, 13.8087, 54.9419



23.6052, 13.8087, 51.5178

Rectangle

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



22.8520, 13.8087, 1.4609



11.7928, 13.8087, 0.0000



6.6437, 13.8087, 54.9419



14.5534, 13.8087, 78.6765

Sweetspot

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



22.8523, 13.8095, 1.4611



65.4451, 61.6743, 48.0638



25.9927, 12.8791, 24.7390



13.8045, 12.7501, 9.3167



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.



22.8523, 13.8095, 1.4611



40.7497, 24.3746, 2.5570



32.3309, 32.7667, 4.6206



9.7480, 9.9720, 9.9876



15.0791, 9.1970, 0.9804



0.6488, 0.4764, 0.0578

Inverse Universe

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



18.2069, 21.3675, 52.4545



32.3900, 37.8319, 93.8743



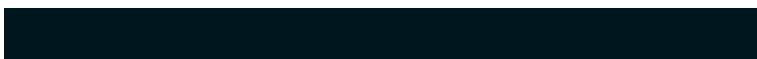
10.2102, 5.3742, 49.7889



9.5701, 10.3326, 12.1622



12.0371, 14.1859, 34.4966



0.5249, 0.6625, 1.3691

Previews

White Background



This preview shows how the XYZ color 22.8520, 13.8087, 1.4609 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 22.8520, 13.8087, 1.4609 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 22.8520, 13.8087, 1.4609

Background



This preview shows how black text looks on a background with the XYZ color 22.8520, 13.8087, 1.4609.



This preview shows how white text looks on a background with the XYZ color 22.8520, 13.8087,

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

22.8520, 13.8087, 1.4609

Protanopia

12.6581, 14.0088, 2.7463

Deuteranopia

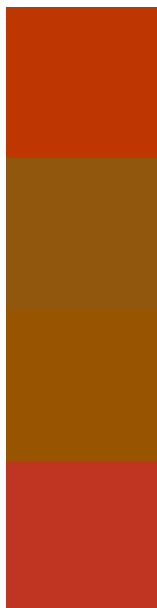
14.0729, 14.0199, 1.9644



Tritanopia

23.5647, 13.8312, 4.7958

Trichromacy



Original Color

22.8520, 13.8087, 1.4609

Protanomaly

15.1579, 12.8652, 2.0651

Deuteranomaly

16.3072, 13.1130, 1.6716

Tritanomaly

23.2550, 13.7779, 2.9471

Monochromacy



Original Color

22.8520, 13.8087, 1.4609

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

11.9966, 10.0388, 5.1763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8520, 13.8087, 1.4609 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, 55, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 55, 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, 55, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 55, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.8520, 13.8087, 1.4609 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, 55, 0) }
```


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

```
.border{ border-color:rgb(191, 55, 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, 55, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 55, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 55, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 55, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.8520, 13.8087, 1.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 55, 0) }
```

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

```
.background{ background-color: rgb(191, 55,  
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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