

Converting Colors

XYZ(22.2836, 12.5785, 1.2534)

Have a look what the booklet for
XYZ(22.2836, 12.5785, 1.2534)
contains.

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Color

**XYZ(22.2114, 12.5274,
1.2474)**

Conversions

Conversions Part 1

Format	Color
Hex	BF2700
RGB	191, 39, 0
RGB Percent	75%, 15%, 0%
CMY	0.2510, 0.8470, 1.0000
CMYK	0.00, 0.80, 1.00, 0.25
HSL	12°, 100%, 37%
HSV	12°, 100%, 75%
XYZ	22.2114, 12.5274, 1.2474
YIQ	80.0020, 103.1110, 20.0950

Conversions

Conversions Part 2

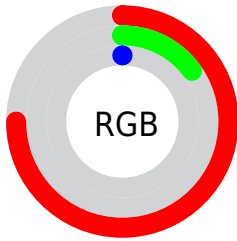
Format	Color
R_{YB}	191, 49, 0
Decimal	12527360
CIE _{Lab}	42.04, 57.79, 54.99
CIE _{LCh}	42, 79.772, 43.575
Yxy	12.5274, 0.6172, 0.3481
Android (android.graphics.Color)	4290717440 (0xFFBF2700)
YUV	80.0020, -39.4410, 97.3452
Hunter-Lab	35.3941, 50.0773, 22.6863

Details

The XYZ color **22.2114, 12.5274, 1.2474** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **20.6305, 26.2146, 53.2625**, and the grayscale version is **7.6869, 8.0872, 8.8070**.

A 20% lighter version of the original color is **46.2735, 30.2617, 6.8922**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **22.2116, 12.5280, 1.2475**, and if you desaturate by 10%, it is **22.9332, 13.7817, 2.0721**.

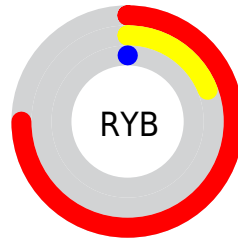
Distribution



Red (75%)

Green (15%)

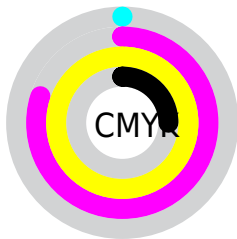
Blue (0%)



Red (75%)

Yellow (19%)

Blue (0%)

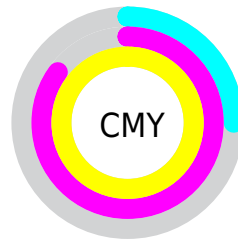


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (85%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2114, 12.5274, 1.2474 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 22.2114, 12.5274, 1.2474 by changing the saturation by 10% instead.


 22.2114, 12.5274,
1.2474


 22.2114, 12.5274,
1.2474


 256.2599,
207.8662, 109.3062


 14.1298, 7.1039,
0.0181


 46.5714, 30.4521,
6.8565


 8.2933, 3.5272,
0.0000


 63.5805, 43.7221,
12.3492

 4.3366, 1.4128,
0.0000

 84.2961, 60.3764,
20.1919

 1.8942, 0.2261,
0.0000

 109.0837, 80.7994,
30.8033


 0.5735, 0.0000,
0.0000


 138.3085,
105.3755, 44.6019


 0.0000, 0.0000,
0.0000


 172.3359,


134.4890, 62.0062


 211.5313,
168.5245, 83.4348


 22.2114, 12.5274,
1.2474


 22.2114, 12.5274,
1.2474

 22.2116, 12.5280,
1.2475

 22.9332, 13.7817,
2.0721

 23.9923, 15.5245,
3.5829

 25.4496, 17.8104,
6.0070

 27.3431, 20.6813,
9.4619

 29.7058, 24.1748,
14.0472

■ 32.5675, 28.3251,
19.8508

■ 35.9555, 33.1640,
26.9518

■ 39.8949, 38.7212,
35.4227

■ 44.4094, 45.0245,
45.3305

Harmonies

Analogous

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



26.7646, 12.5274, 7.3272



22.2114, 12.5274, 1.2474



15.4266, 12.5274, 0.0000

Triad

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



22.2114, 12.5274, 1.2474



3.9827, 12.5274, 6.3394



14.7853, 12.5274, 76.2638

Complementary

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



22.2114, 12.5274, 1.2474



20.6305, 26.2146, 53.2625

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.



8.9680, 12.5274, 74.9484



22.2114, 12.5274, 1.2474



3.9124, 12.5274, 22.8182

Square

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



22.2114, 12.5274, 1.2474



5.6551, 12.5274, 1.0287



5.4147, 12.5274, 50.7419



21.6098, 12.5274, 53.5468

Rectangle

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



22.2114, 12.5274, 1.2474



11.2108, 12.5274, 0.0000



5.4147, 12.5274, 50.7419



12.6313, 12.5274, 78.9657

Sweetspot

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



22.2117, 12.5282, 1.2476



64.0858, 58.9558, 47.6107



27.2190, 13.3697, 31.1965



13.4823, 12.1056, 9.2092



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.



22.2117, 12.5282, 1.2476



39.6443, 22.1638, 2.1885



29.9695, 28.0438, 3.8335



9.6838, 9.8436, 9.9662



14.6446, 8.3280, 0.8356



0.6209, 0.4208, 0.0485

Inverse Universe

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



20.6305, 26.2146, 53.2625



36.7703, 46.5924, 95.3344



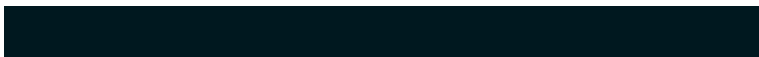
10.8820, 6.7178, 50.0130



9.6386, 10.4695, 12.1850



13.6166, 17.3450, 35.0231



0.5760, 0.7646, 1.3861

Previews

White Background



This preview shows how the XYZ color 22.2114, 12.5274, 1.2474 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 22.2114, 12.5274, 1.2474

Background



This preview shows how black text looks on a background with the XYZ color 22.2114, 12.5274, 1.2474.



This preview shows how white text looks on a background with the XYZ color 22.2114, 12.5274,

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

22.2114, 12.5274, 1.2474

Protanopia

11.6184, 12.8799, 2.6843

Deuteranopia

12.8446, 12.6964, 1.7737



Tritanopia

22.4659, 12.5269, 2.9029

Trichromacy



Original Color

22.2114, 12.5274, 1.2474

Protanomaly

13.7951, 11.1460, 1.8762

Deuteranomaly

15.0938, 11.5162, 1.4273

Tritanomaly

22.3336, 12.5245, 2.0510

Monochromacy



Original Color

22.2114, 12.5274, 1.2474

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

10.2336, 8.0127, 4.1392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2114, 12.5274, 1.2474 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, 39, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 39, 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, 39, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 39, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.2114, 12.5274, 1.2474 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, 39, 0) }
```


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

```
.border{ border-color:rgb(191, 39, 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, 39, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 39, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 39, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 39, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.2114, 12.5274, 1.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 39, 0) }
```

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

```
.background{ background-color: rgb(191, 39,  
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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