

Converting Colors

XYZ(22.4695, 12.9502, 1.3154)

Have a look what the booklet for
XYZ(22.4695, 12.9502, 1.3154)
contains.

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Color

**XYZ(22.4242, 12.9531,
1.3183)**

Conversions

Conversions Part 1

Format	Color
Hex	BF2D00
RGB	191, 45, 0
RGB Percent	75%, 18%, 0%
CMY	0.2510, 0.8235, 1.0000
CMYK	0.00, 0.76, 1.00, 0.25
HSL	14°, 100%, 37%
HSV	14°, 100%, 75%
XYZ	22.4242, 12.9531, 1.3183
YIQ	83.5240, 101.4610, 16.9570

Conversions

Conversions Part 2

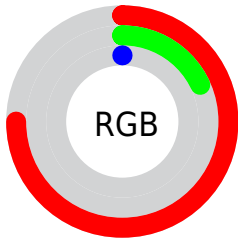
Format	Color
RYB	191, 59, 0
Decimal	12528896
CIELab	42.69, 55.97, 55.27
CIElCh	43, 78.660, 44.639
Yxy	12.9531, 0.6111, 0.3530
Android (android.graphics.Color)	4290718976 (0xFFBF2D00)
YUV	83.5240, -41.1773, 94.2565
Hunter-Lab	35.9904, 48.2330, 23.0215

Details

The XYZ color **22.4242, 12.9531, 1.3183** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **19.6811, 24.3160, 52.9459**, and the grayscale version is **8.3971, 8.8345, 9.6207**.

A 20% lighter version of the original color is **46.6572, 31.0291, 7.0201**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **22.4244, 12.9538, 1.3184**, and if you desaturate by 10%, it is **23.1996, 14.3146, 2.1609**.

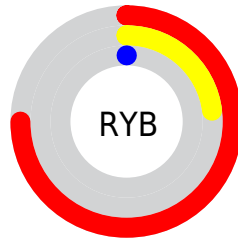
Distribution



Red (75%)

Green (18%)

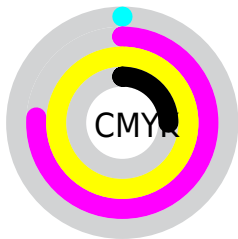
Blue (0%)



Red (75%)

Yellow (23%)

Blue (0%)

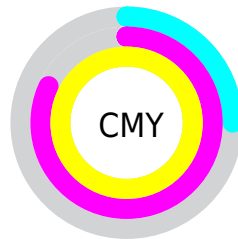


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (82%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4242, 12.9531, 1.3183 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 22.4242, 12.9531, 1.3183 by changing the saturation by 10% instead.


 22.4242, 12.9531,
1.3183


 22.4242, 12.9531,
1.3183


 257.3445,
210.6169, 110.6850


 14.2873, 7.3963,
0.0767


 46.9198, 31.2195,
7.0756

 8.4038, 3.7111,
0.0000


 64.0091, 44.6978,
12.6728


 4.4084, 1.5133,
0.0000

 84.8133, 61.5855,
20.6406

 1.9356, 0.2981,
0.0000

 109.6977, 82.2668,
31.3973

 0.5974, 0.0000,
0.0000


 139.0277,
107.1262, 45.3615


 0.0000, 0.0000,
0.0000


 173.1686,


136.5481, 62.9519


 212.4857,
170.9169, 84.5869


 22.4242, 12.9531,
1.3183


 22.4242, 12.9531,
1.3183


 22.4244, 12.9538,
1.3184

 23.1996, 14.3146,
2.1609

 24.3015, 16.1430,
3.6859

 25.7881, 18.4875,
6.1196

 27.6950, 21.3853,
9.5789

 30.0532, 24.8698,
14.1626

■ 32.8907, 28.9719,
19.9581

■ 36.2333, 33.7199,
27.0439

■ 40.1045, 39.1407,
35.4919

■ 44.5266, 45.2593,
45.3688

Harmonies

Analogous

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



27.1006, 12.9531, 7.3178



22.4242, 12.9531, 1.3183



15.6112, 12.9531, 0.0000

Triad

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



22.4242, 12.9531, 1.3183



4.2261, 12.9531, 7.0621



15.4478, 12.9531, 75.8579

Complementary

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



22.4242, 12.9531, 1.3183



19.6811, 24.3160, 52.9459

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.



9.5130, 12.9531, 75.5287



22.4242, 12.9531, 1.3183



4.2078, 12.9531, 24.1553

Square

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



22.4242, 12.9531, 1.3183



5.8770, 12.9531, 1.2588



5.8146, 12.9531, 52.1321



22.2718, 12.9531, 52.8367

Rectangle

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



22.4242, 12.9531, 1.3183



11.4060, 12.9531, 0.0000



5.8146, 12.9531, 52.1321



13.2638, 12.9531, 78.8429

Sweetspot

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



22.4245, 12.9539, 1.3185



64.5888, 59.9619, 47.7784



26.7077, 13.1651, 28.5045



13.6012, 12.3435, 9.2489



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.



22.4245, 12.9539, 1.3185



40.0090, 22.8933, 2.3101



30.8734, 29.8518, 4.1348



9.7078, 9.8916, 9.9742



14.7898, 8.6185, 0.8840



0.6314, 0.4417, 0.0520

Inverse Universe

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



19.6811, 24.3160, 52.9459



35.0531, 43.1581, 94.7620



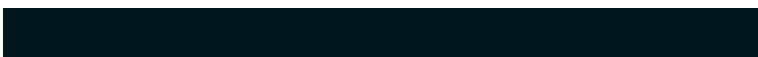
10.5848, 6.1235, 49.9138



9.6128, 10.4180, 12.1764



12.9984, 16.1086, 34.8171



0.5563, 0.7252, 1.3795

Previews

White Background



This preview shows how the XYZ color 22.4242, 12.9531, 1.3183 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 22.4242, 12.9531, 1.3183

Background



This preview shows how black text looks on a background with the XYZ color 22.4242, 12.9531, 1.3183.



This preview shows how white text looks on a background with the XYZ color 22.4242, 12.9531,

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

22.4242, 12.9531, 1.3183

Protanopia

11.9664, 13.2055, 2.6773

Deuteranopia

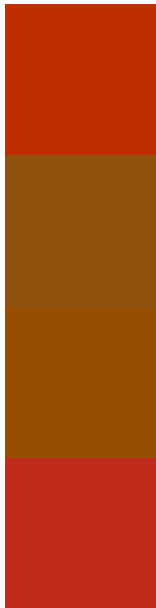
13.3280, 13.2165, 1.8486



Tritanopia

23.0022, 13.0368, 3.5895

Trichromacy



Original Color

22.4242, 12.9531, 1.3183

Protanomaly

14.3494, 11.7562, 1.9283

Deuteranomaly

15.6733, 12.1242, 1.5141

Tritanomaly

22.7999, 13.0134, 2.3470

Monochromacy



Original Color

22.4242, 12.9531, 1.3183

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

11.0011, 8.8483, 4.4962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4242, 12.9531, 1.3183 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, 45, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 45, 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, 45, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 45, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.4242, 12.9531, 1.3183 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, 45, 0) }
```


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

```
.border{ border-color:rgb(191, 45, 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, 45, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 45, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 45, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 45, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.4242, 12.9531, 1.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 45, 0) }
```

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

```
.background{ background-color: rgb(191, 45,  
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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