

Converting Colors

XYZ(22.7082, 12.9390, 1.6397)

Have a look what the booklet for
XYZ(22.7082, 12.9390, 1.6397)
contains.

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Color

**XYZ(22.6326, 12.8889,
1.6428)**

Conversions

Conversions Part 1

Format	Color
Hex	C02A0C
RGB	192, 42, 12
RGB Percent	75%, 16%, 5%
CMY	0.2471, 0.8353, 0.9529
CMYK	0.00, 0.78, 0.94, 0.25
HSL	10°, 88%, 40%
HSV	10°, 94%, 75%
XYZ	22.6326, 12.8889, 1.6428
YIQ	83.4300, 99.0300, 22.4700

Conversions

Conversions Part 2

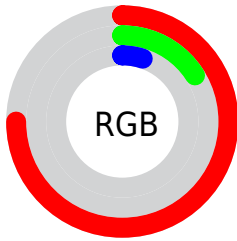
Format	Color
RYB	192, 48, 12
Decimal	12593676
CIELab	42.60, 57.34, 51.61
CIELCh	43, 77.146, 41.986
Yxy	12.8889, 0.6090, 0.3468
Android (android.graphics.Color)	4290783756 (0xFFC02A0C)
YUV	83.4300, -35.2150, 95.2159
Hunter-Lab	35.9011, 49.7021, 22.4177

Details

The XYZ color **22.6326, 12.8889, 1.6428** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **22.5848, 29.7214, 54.4154**, and the grayscale version is **8.3663, 8.8020, 9.5854**.

A 20% lighter version of the original color is **46.7632, 30.9152, 8.0600**, and **9.0533, 4.6671, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **22.2549, 12.2400, 1.1896**, and if you desaturate by 10%, it is **23.5017, 14.3336, 2.8383**.

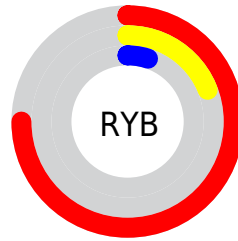
Distribution



Red (75%)

Green (16%)

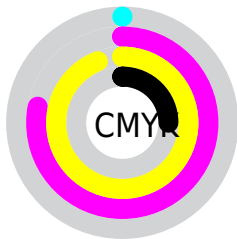
Blue (5%)



Red (75%)

Yellow (19%)

Blue (5%)

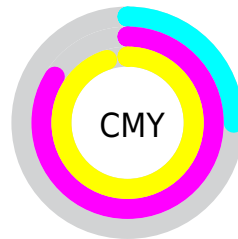


Cyan (0%)

Magenta (78%)

Yellow (94%)

Black (25%)



Cyan (25%)


Magenta (84%)


Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6326, 12.8889, 1.6428 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 22.6326, 12.8889, 1.6428 by changing the saturation by 10% instead.


 22.6326, 12.8889,
1.6428


 22.6326, 12.8889,
1.6428


 258.4030,
210.2044, 116.5575


 14.4417, 7.3521,
0.3211


 47.2605, 31.1040,
8.0390


 8.5122, 3.6833,
0.0000


 64.4281, 44.5512,
14.0830

 4.4790, 1.4980,
0.0000

 85.3187, 61.4038,
22.5823

 1.9765, 0.2873,
0.0000

 110.2975, 82.0465,
33.9555


 0.6207, 0.0000,
0.0000


 139.7300,
106.8635, 48.6210


 0.0000, 0.0000,
0.0000


 173.9815,


136.2392, 66.9975


 213.4174,
170.5580, 89.5035


 22.6326, 12.8889,
1.6428


 22.6326, 12.8889,
1.6428


 22.2549, 12.2400,
1.1896

 23.5017, 14.3336,
2.8383

 24.7720, 16.3390,
4.9115

 26.4880, 18.9573,
7.9918

 28.6878, 22.2339,
12.1873

 31.4053, 26.2098,
17.5918

■ 34.6713, 30.9225,
24.2892

■ 38.5141, 36.4069,
32.3558

■ 42.9600, 42.6957,
41.8623

■ 48.0336, 49.8196,
52.8741

Harmonies

Analogous

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



26.8393, 12.8889, 8.3602



22.6326, 12.8889, 1.6428



16.0604, 12.8889, 0.0053

Triad

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



22.6326, 12.8889, 1.6428



4.3758, 12.8889, 6.2545



14.7327, 12.8889, 74.8230

Complementary

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



22.6326, 12.8889, 1.6428



22.5848, 29.7214, 54.4154

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.



9.0965, 12.8889, 72.1837



22.6326, 12.8889, 1.6428



4.2238, 12.8889, 21.8248

Square

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



22.6326, 12.8889, 1.6428



6.1710, 12.8889, 1.1345



5.6574, 12.8889, 48.3964



21.3987, 12.8889, 54.0617

Rectangle

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



22.6326, 12.8889, 1.6428



11.8657, 12.8889, 0.0000



5.6574, 12.8889, 48.3964



12.6436, 12.8889, 76.9224

Sweetspot

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



22.6329, 12.8897, 1.6430



66.3799, 61.1189, 51.4401



28.3912, 14.0781, 35.4034



13.6093, 12.2091, 9.7154



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.



22.6329, 12.8897, 1.6430



40.2046, 21.9376, 2.1154



30.0559, 27.7357, 4.1173



10.2059, 10.3432, 10.5204



15.0145, 8.3147, 0.8135



0.6920, 0.4458, 0.0496

Inverse Universe

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



22.5848, 29.7214, 54.4154



39.8534, 52.1235, 98.3206



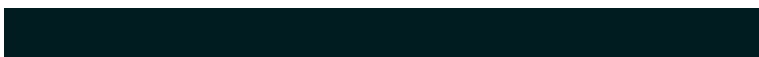
11.9835, 8.5189, 50.8817



10.2210, 11.1333, 12.8951



14.9089, 19.5743, 36.5491



0.6830, 0.9234, 1.5921

Previews

White Background



This preview shows how the XYZ color 22.6326, 12.8889, 1.6428 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 22.6326, 12.8889, 1.6428

Background



This preview shows how black text looks on a background with the XYZ color 22.6326, 12.8889, 1.6428.



This preview shows how white text looks on a background with the XYZ color 22.6326, 12.8889,

1.6428.

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

22.6326, 12.8889, 1.6428

Protanopia

11.8886, 13.1593, 2.9503

Deuteranopia

13.1768, 13.1386, 1.8415



Tritanopia

22.8800, 12.8773, 3.2871

Trichromacy



Original Color

22.6326, 12.8889, 1.6428

Protanomaly

14.1688, 11.5460, 2.2409

Deuteranomaly

15.4383, 11.8958, 1.5973

Tritanomaly

22.7655, 12.8861, 2.5157

Monochromacy



Original Color

22.6326, 12.8889, 1.6428

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

10.9740, 8.6406, 4.9603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6326, 12.8889, 1.6428 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(192, 42, 12)` looks like.

```
.text, #text, p{  
    color:rgb(192, 42, 12)  
}
```

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(192, 42, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 42, 12) }
```

Border

The CSS property to change the border of an element to XYZ 22.6326, 12.8889, 1.6428 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(192, 42, 12) }
```


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

```
.border{ border-color:rgb(192, 42, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 42, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 42, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 42, 12);  
box-shadow:4px 4px 4px 4px rgb(192, 42,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6326, 12.8889, 1.6428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 42, 12) }
```

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

```
.background{ background-color: rgb(192, 42,  
12) }
```

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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