

Converting Colors

XYZ(22.3057, 12.6225, 1.2608)

Have a look what the booklet for
XYZ(22.3057, 12.6225, 1.2608)
contains.

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Color

**XYZ(22.2446, 12.5939,
1.2585)**

Conversions

Conversions Part 1

Format	Color
Hex	BF2800
RGB	191, 40, 0
RGB Percent	75%, 16%, 0%
CMY	0.2510, 0.8431, 1.0000
CMYK	0.00, 0.79, 1.00, 0.25
HSL	13°, 100%, 37%
HSV	13°, 100%, 75%
XYZ	22.2446, 12.5939, 1.2585
YIQ	80.5890, 102.8360, 19.5720

Conversions

Conversions Part 2

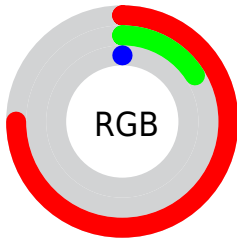
Format	Color
R_{YB}	191, 51, 0
Decimal	12527616
CIE Lab	42.14, 57.50, 55.03
CIE LCh	42, 79.593, 43.741
Yxy	12.5939, 0.6162, 0.3489
Android (android.graphics.Color)	4290717696 (0xFFBF2800)
YUV	80.5890, -39.7304, 96.8304
Hunter-Lab	35.4879, 49.7840, 22.7389

Details

The XYZ color **22.2446, 12.5939, 1.2585** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **20.4689, 25.8916, 53.2085**, and the grayscale version is **7.8027, 8.2090, 8.9397**.

A 20% lighter version of the original color is **46.3677, 30.4500, 6.9236**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **22.2448, 12.5945, 1.2586**, and if you desaturate by 10%, it is **22.9755, 13.8666, 2.0863**.

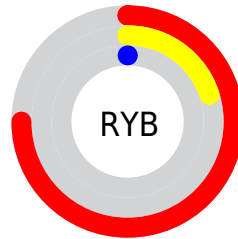
Distribution



Red (75%)

Green (16%)

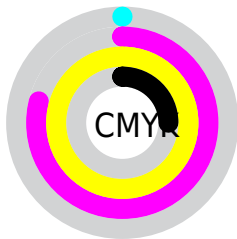
Blue (0%)



Red (75%)

Yellow (20%)

Blue (0%)

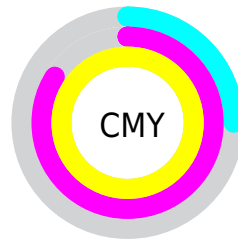


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (84%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2446, 12.5939, 1.2585 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 22.2446, 12.5939, 1.2585 by changing the saturation by 10% instead.


 22.2446, 12.5939,
1.2585


 22.2446, 12.5939,
1.2585


 256.4294,
208.2984, 109.5247


 14.1543, 7.1495,
0.0274


 46.6258, 30.5723,
6.8910


 8.3105, 3.5558,
0.0000

 63.6474, 43.8750,
12.4003

 4.3477, 1.4283,
0.0000

 84.3769, 60.5660,
20.2628

 1.9007, 0.2375,
0.0000

 109.1796, 81.0296,
30.8973


 0.5772, 0.0000,
0.0000


 138.4208,
105.6503, 44.7221


 0.0000, 0.0000,
0.0000


 172.4660,


134.8124, 62.1560


 211.6804,
168.9003, 83.6173


 22.2446, 12.5939,
1.2585


 22.2446, 12.5939,
1.2585


 22.2448, 12.5945,
1.2586

 22.9755, 13.8666,
2.0863

 24.0421, 15.6242,
3.5996

 25.5046, 17.9205,
6.0254

 27.4006, 20.7965,
9.4811

 29.7629, 24.2891,
14.0663

■ 32.6208, 28.4319,
19.8687

■ 36.0015, 33.2561,
26.9673

■ 39.9297, 38.7909,
35.4345

■ 44.4290, 45.0637,
45.3372

Harmonies

Analogous

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



26.8170, 12.5939, 7.3258



22.2446, 12.5939, 1.2585



15.4555, 12.5939, 0.0000

Triad

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



22.2446, 12.5939, 1.2585



4.0205, 12.5939, 6.4501



14.8884, 12.5939, 76.1976

Complementary

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



22.2446, 12.5939, 1.2585



20.4689, 25.8916, 53.2085

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.



9.0525, 12.5939, 75.0377



22.2446, 12.5939, 1.2585



3.9582, 12.5939, 23.0255

Square

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



22.2446, 12.5939, 1.2585



5.6898, 12.5939, 1.0630



5.4766, 12.5939, 50.9584



21.7130, 12.5939, 53.4332

Rectangle

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



22.2446, 12.5939, 1.2585



11.2414, 12.5939, 0.0000



5.4766, 12.5939, 50.9584



12.7296, 12.5939, 78.9442

Sweetspot

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



22.2449, 12.5947, 1.2587



64.1690, 59.1222, 47.6384



27.2189, 13.3696, 31.1964



13.5019, 12.1449, 9.2158



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.



22.2449, 12.5947, 1.2587



39.7010, 22.2773, 2.2075



29.9694, 28.0437, 3.8335



9.6878, 9.8516, 9.9676



14.6674, 8.3735, 0.8432



0.6227, 0.4243, 0.0491

Inverse Universe

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



20.4689, 25.8916, 53.2085



36.4780, 46.0079, 95.2370



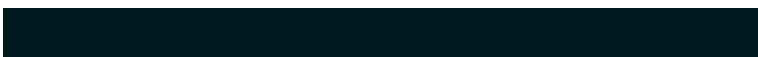
10.8820, 6.7178, 50.0128



9.6343, 10.4610, 12.1836



13.5115, 17.1347, 34.9881



0.5726, 0.7580, 1.3850

Previews

White Background



This preview shows how the XYZ color 22.2446, 12.5939, 1.2585 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

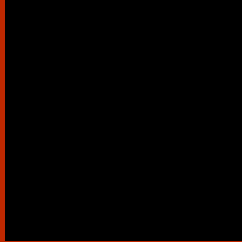
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2446, 12.5939, 1.2585

Background



This preview shows how black text looks on a background with the XYZ color 22.2446, 12.5939, 1.2585.



This preview shows how white text looks on a background with the XYZ color 22.2446, 12.5939,

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

22.2446, 12.5939, 1.2585

Protanopia

11.6184, 12.8799, 2.6843

Deuteranopia

12.9353, 12.8778, 1.8039



Tritanopia

22.5129, 12.5962, 2.9950

Trichromacy



Original Color

22.2446, 12.5939, 1.2585

Protanomaly

13.8667, 11.2892, 1.9001

Deuteranomaly

15.1621, 11.6529, 1.4501

Tritanomaly

22.3762, 12.5934, 2.1156

Monochromacy



Original Color

22.2446, 12.5939, 1.2585

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.4532, 8.2093, 4.2824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2446, 12.5939, 1.2585 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, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 40, 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, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 40, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.2446, 12.5939, 1.2585 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, 40, 0) }
```


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

```
.border{ border-color:rgb(191, 40, 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, 40, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 40, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 40, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 40, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.2446, 12.5939, 1.2585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 40, 0) }
```

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

```
.background{ background-color: rgb(191, 40,  
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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