

Converting Colors

XYZ(22.2191, 12.7906, 1.2990)

Have a look what the booklet for
XYZ(22.2191, 12.7906, 1.2990)
contains.

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Color

**XYZ(22.1359, 12.7485,
1.2940)**

Conversions

Conversions Part 1

Format	Color
Hex	BE2C00
RGB	190, 44, 0
RGB Percent	75%, 17%, 0%
CMY	0.2549, 0.8274, 1.0000
CMYK	0.00, 0.77, 1.00, 0.25
HSL	14°, 100%, 37%
HSV	14°, 100%, 75%
XYZ	22.1359, 12.7485, 1.2940
YIQ	82.6380, 101.1400, 17.2680

Conversions

Conversions Part 2

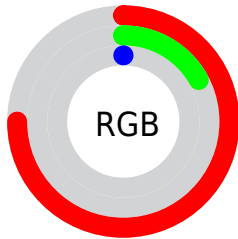
Format	Color
R_{YB}	190, 57, 0
Decimal	12463104
CIE Lab	42.38, 55.98, 55.02
CIE LCh	42, 78.490, 44.503
Yxy	12.7485, 0.6119, 0.3524
Android (android.graphics.Color)	4290653184 (0xFFBE2C00)
YUV	82.6380, -40.7405, 94.1565
Hunter-Lab	35.7050, 48.1800, 22.8448

Details

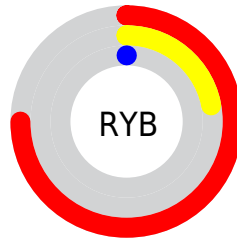
The XYZ color **22.1359, 12.7485, 1.2940** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **19.5714, 24.2721, 52.3683**, and the grayscale version is **8.2151, 8.6429, 9.4121**.

A 20% lighter version of the original color is **46.6572, 31.0291, 7.0201**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **22.1361, 12.7492, 1.2941**, and if you desaturate by 10%, it is **22.8966, 14.0821, 2.1275**.

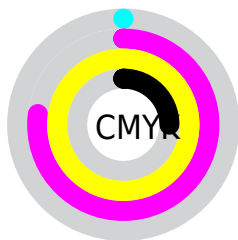
Distribution



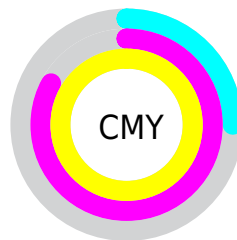
- Red (75%)
- Green (17%)
- Blue (0%)



- Red (75%)
- Yellow (22%)
- Blue (0%)



- Cyan (0%)
- Magenta (77%)
- Yellow (100%)
- Black (25%)





- Cyan (25%)
- Magenta (83%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1359, 12.7485, 1.2940 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 22.1359, 12.7485, 1.2940 by changing the saturation by 10% instead.


 22.1359, 12.7485,
1.2940


 22.1359, 12.7485,
1.2940


 255.8742,
209.2995, 110.2168


 14.0740, 7.2556,
0.0569


 46.4477, 30.8512,
7.0009


 8.2542, 3.6225,
0.0000


 63.4282, 44.2298,
12.5626

 4.3112, 1.4647,
0.0000

 84.1124, 61.0057,
20.4879

 1.8796, 0.2637,
0.0000

 108.8654, 81.5634,
31.1953


 0.5650, 0.0000,
0.0000


 138.0528,
106.2872, 45.1034


 0.0000, 0.0000,
0.0000


 172.0398,


135.5616, 62.6306


 211.1918,
169.7709, 84.1956


 22.1359, 12.7485,
1.2940


 22.1359, 12.7485,
1.2940


 22.1361, 12.7492,
1.2941

 22.8966, 14.0821,
2.1275

 23.9812, 15.8796,
3.6349

 25.4476, 18.1905,
6.0409

 27.3311, 21.0518,
9.4605

 29.6626, 24.4972,
13.9917

■ 32.4701, 28.5575,
19.7206

■ 35.7790, 33.2611,
26.7248

■ 39.6130, 38.6348,
35.0755

■ 43.9940, 44.7038,
44.8383

Harmonies

Analogous

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



26.7423, 12.7485, 7.2336



22.1359, 12.7485, 1.2940



15.4060, 12.7485, 0.0000

Triad

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



22.1359, 12.7485, 1.2940



4.1461, 12.7485, 6.8870



15.1841, 12.7485, 75.0223

Complementary

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



22.1359, 12.7485, 1.2940



19.5714, 24.2721, 52.3683

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.



9.3331, 12.7485, 74.5742



22.1359, 12.7485, 1.2940



4.1212, 12.7485, 23.7042

Square

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



22.1359, 12.7485, 1.2940



5.7805, 12.7485, 1.2138



5.6960, 12.7485, 51.3491



21.9287, 12.7485, 52.3076

Rectangle

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



22.1359, 12.7485, 1.2940



11.2485, 12.7485, 0.0000



5.6960, 12.7485, 51.3491



13.0292, 12.7485, 77.9373

Sweetspot

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



22.1362, 12.7493, 1.2942



64.5240, 59.8321, 47.7567



26.6466, 13.1117, 29.4903



13.5859, 12.3128, 9.2438



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.



22.1362, 12.7493, 1.2942



39.9591, 22.7933, 2.2935



30.0627, 28.6024, 3.9364



9.7047, 9.8854, 9.9732



14.7701, 8.5789, 0.8774



0.6300, 0.4390, 0.0515

Inverse Universe

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



19.5714, 24.2721, 52.3683



35.2680, 43.5878, 94.8336



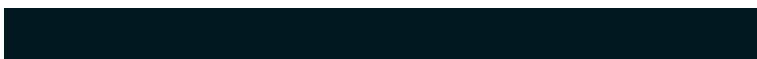
10.6057, 6.3406, 49.3797



9.6161, 10.4246, 12.1775



13.0758, 16.2634, 34.8429



0.5587, 0.7302, 1.3803

Previews

White Background



This preview shows how the XYZ color 22.1359, 12.7485, 1.2940 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 22.1359, 12.7485, 1.2940

Background



This preview shows how black text looks on a background with the XYZ color 22.1359, 12.7485, 1.2940.



This preview shows how white text looks on a background with the XYZ color 22.1359, 12.7485,

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

22.1359, 12.7485, 1.2940

Protanopia

11.7379, 12.9427, 2.6386

Deuteranopia

13.0850, 12.9549, 1.8109



Tritanopia

22.4461, 12.7002, 3.4588

Trichromacy



Original Color

22.1359, 12.7485, 1.2940

Protanomaly

14.1033, 11.5198, 1.8957

Deuteranomaly

15.4164, 11.8871, 1.4819

Tritanomaly

22.2610, 12.6822, 2.3115

Monochromacy



Original Color

22.1359, 12.7485, 1.2940

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

10.7968, 8.6509, 4.4689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1359, 12.7485, 1.2940 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(190, 44, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 44, 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(190, 44, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 44, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.1359, 12.7485, 1.2940 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(190, 44, 0) }
```


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

```
.border{ border-color:rgb(190, 44, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 44, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 44, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 44, 0);  
box-shadow:4px 4px 4px 4px rgb(190, 44, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.1359, 12.7485, 1.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 44, 0) }
```

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

```
.background{ background-color: rgb(190, 44,  
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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