

Converting Colors

XYZ(22.6889, 13.3890, 1.3885)

Have a look what the booklet for
XYZ(22.6889, 13.3890, 1.3885)
contains.

XYZ(22.6265, 13.3576, 1.3857)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.6265, 13.3576,
1.3857)**

Conversions

Conversions Part 1

Format	Color
Hex	BF3200
RGB	191, 50, 0
RGB Percent	75%, 20%, 0%
CMY	0.2510, 0.8039, 1.0000
CMYK	0.00, 0.74, 1.00, 0.25
HSL	16°, 100%, 37%
HSV	16°, 100%, 75%
XYZ	22.6265, 13.3576, 1.3857
YIQ	86.4590, 100.0860, 14.3420

Conversions

Conversions Part 2

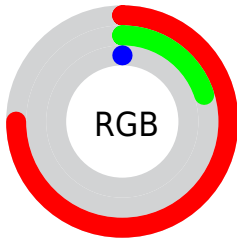
Format	Color
RYB	191, 68, 0
Decimal	12530176
CIELab	43.30, 54.29, 55.54
CIELCh	43, 77.668, 45.653
Yxy	13.3576, 0.6055, 0.3574
Android (android.graphics.Color)	4290720256 (0xFFBF3200)
YUV	86.4590, -42.6243, 91.6825
Hunter-Lab	36.5481, 46.5483, 23.3357

Details

The XYZ color **22.6265, 13.3576, 1.3857** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **18.9273, 22.8083, 52.6948**, and the grayscale version is **9.0173, 9.4869, 10.3313**.

A 20% lighter version of the original color is **47.0836, 31.8439, 7.2793**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **22.6267, 13.3583, 1.3859**, and if you desaturate by 10%, it is **23.4437, 14.8028, 2.2422**.

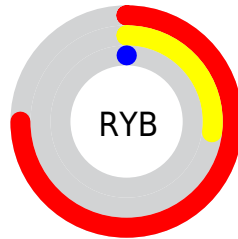
Distribution



Red (75%)

Green (20%)

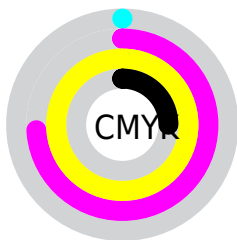
Blue (0%)



Red (75%)

Yellow (27%)

Blue (0%)

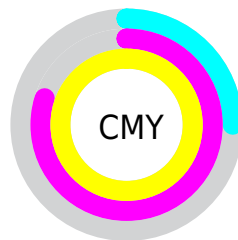


Cyan (0%)

Magenta (74%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (80%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6265, 13.3576, 1.3857 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 22.6265, 13.3576, 1.3857 by changing the saturation by 10% instead.

■ 22.6265, 13.3576,
1.3857

■ 22.6265, 13.3576,
1.3857

■ 258.3721,
213.1969, 111.9608

■ 14.4371, 7.6753,
0.1305

■ 47.2505, 31.9447,
7.2807

■ 8.5091, 3.8879,
0.0000

■ 64.4158, 45.6183,
12.9749

■ 4.4769, 1.6110,
0.0000

■ 85.3039, 62.7245,
21.0582

■ 1.9753, 0.3650,
0.0000

■ 110.2800, 83.6475,
31.9492


■ 0.6200, 0.0000,
0.0000


■ 139.7095,
108.7719, 46.0664


■ 0.0000, 0.0000,
0.0000


■ 173.9578,


138.4820, 63.8284


 213.3902,
173.1622, 85.6537


 22.6265, 13.3576,
1.3857


 22.6265, 13.3576,
1.3857


 22.6267, 13.3583,
1.3859

 23.4437, 14.8028,
2.2422

 24.5781, 16.6960,
3.7780

 26.0856, 19.0824,
6.2188

 28.0002, 21.9957,
9.6806

 30.3515, 25.4665,
14.2620

■ 33.1662, 29.5227,
20.0498

■ 36.4685, 34.1903,
27.1222

■ 40.2811, 39.4938,
35.5507

■ 44.6252, 45.4563,
45.4016

Harmonies

Analogous

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



27.4200, 13.3576, 7.3087



22.6265, 13.3576, 1.3857



15.7854, 13.3576, 0.0000

Triad

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



22.6265, 13.3576, 1.3857



4.4601, 13.3576, 7.7796



16.0818, 13.3576, 75.5042

Complementary

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



22.6265, 13.3576, 1.3857



18.9273, 22.8083, 52.6948

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.



10.0385, 13.3576, 76.0917



22.6265, 13.3576, 1.3857



4.4941, 13.3576, 25.4459

Square

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



22.6265, 13.3576, 1.3857



6.0875, 13.3576, 1.5001



6.2025, 13.3576, 53.4581



22.9017, 13.3576, 52.1963

Rectangle

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



22.6265, 13.3576, 1.3857



11.5897, 13.3576, 0.0000



6.2025, 13.3576, 53.4581



13.8705, 13.3576, 78.7520

Sweetspot

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



22.6268, 13.3584, 1.3859



65.0142, 60.8126, 47.9201



26.4626, 13.0671, 27.2134



13.7021, 12.5452, 9.2825



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.



22.6268, 13.3584, 1.3859



40.3581, 23.5914, 2.4265



31.3457, 30.7963, 4.2922



9.7279, 9.9317, 9.9809



14.9269, 8.8926, 0.9297



0.6401, 0.4591, 0.0549

Inverse Universe

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



18.9273, 22.8083, 52.6948



33.6907, 40.4333, 94.3079



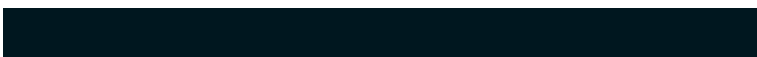
10.4507, 5.8551, 49.8692



9.5915, 10.3752, 12.1693



12.5071, 15.1258, 34.6533



0.5404, 0.6934, 1.3742

Previews

White Background



This preview shows how the XYZ color 22.6265, 13.3576, 1.3857 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 22.6265, 13.3576, 1.3857

Background



This preview shows how black text looks on a background with the XYZ color 22.6265, 13.3576, 1.3857.



This preview shows how white text looks on a background with the XYZ color 22.6265, 13.3576,

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

22.6265, 13.3576, 1.3857

Protanopia

12.2976, 13.6716, 2.7498

Deuteranopia

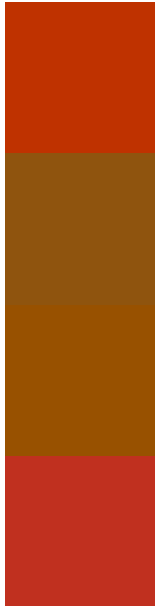
13.5736, 13.4812, 1.8867



Tritanopia

23.2882, 13.4529, 4.1655

Trichromacy



Original Color

22.6265, 13.3576, 1.3857

Protanomaly

14.5773, 12.2120, 2.0043

Deuteranomaly

15.8913, 12.5603, 1.5868

Tritanomaly

23.0425, 13.4193, 2.6720

Monochromacy



Original Color

22.6265, 13.3576, 1.3857

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

11.3843, 9.3260, 4.8145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6265, 13.3576, 1.3857 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, 50, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 50, 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, 50, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 50, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.6265, 13.3576, 1.3857 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, 50, 0) }
```


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

```
.border{ border-color:rgb(191, 50, 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, 50, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 50, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 50, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 50, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.6265, 13.3576, 1.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 50, 0) }
```

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

```
.background{ background-color: rgb(191, 50,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor