

Converting Colors

XYZ(22.1701, 13.1865, 1.3767)

Have a look what the booklet for
XYZ(22.1701, 13.1865, 1.3767)
contains.

XYZ(22.1701, 13.1865, 1.3767)	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>	30

Color

**XYZ(22.1701, 13.1865,
1.3767)**

Conversions

Conversions Part 1

Format	Color
Hex	BD3300
RGB	189, 51, 0
RGB Percent	74%, 20%, 0%
CMY	0.2588, 0.8000, 1.0000
CMYK	0.00, 0.73, 1.00, 0.26
HSL	16°, 100%, 37%
HSV	16°, 100%, 74%
XYZ	22.1701, 13.1865, 1.3767
YIQ	86.4480, 98.6190, 13.3950

Conversions

Conversions Part 2

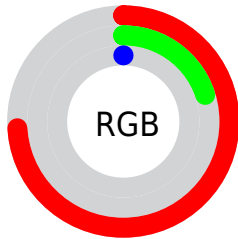
Format	Color
RYB	189, 70, 0
Decimal	12399360
CIELab	43.04, 53.29, 55.20
CIElCh	43, 76.729, 46.012
Yxy	13.1865, 0.6035, 0.3590
Android (android.graphics.Color)	4290589440 (0xFFBD3300)
YUV	86.4480, -42.6189, 89.9381
Hunter-Lab	36.3132, 45.4304, 23.1715

Details

The XYZ color **22.1701, 13.1865, 1.3767** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **18.2721, 21.8478, 51.3977**, and the grayscale version is **9.0151, 9.4846, 10.3288**.

A 20% lighter version of the original color is **46.4553, 31.6739, 7.2796**, and **8.6042, 4.4356, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **22.1704, 13.1873, 1.3769**, and if you desaturate by 10%, it is **22.9822, 14.6241, 2.2231**.

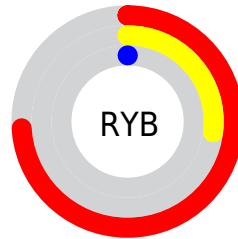
Distribution



Red (74%)

Green (20%)

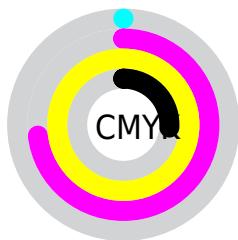
Blue (0%)



Red (74%)

Yellow (27%)

Blue (0%)

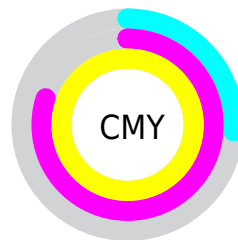


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (80%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1701, 13.1865, 1.3767 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 22.1701, 13.1865, 1.3767 by changing the saturation by 10% instead.


 22.1701, 13.1865,
1.3767


 22.1701, 13.1865,
1.3767


 256.0490,
212.1095, 111.7923


 14.0992, 7.5571,
0.1234


 46.5037, 31.6384,
7.2535


 8.2719, 3.8129,
0.0000


 63.4972, 45.2298,
12.9348

 4.3227, 1.5694,
0.0000

 84.1956, 62.2438,
21.0029

 1.8863, 0.3369,
0.0000

 108.9643, 83.0651,
31.8761


 0.5688, 0.0000,
0.0000


 138.1687,
108.0779, 45.9732


 0.0000, 0.0000,
0.0000


 172.1740,


137.6666, 63.7125


 211.3456,
172.2157, 85.5127

 22.1701, 13.1865,
1.3767


 22.1701, 13.1865,
1.3767


 22.1704, 13.1873,
1.3769

 22.9822, 14.6241,
2.2231

 24.1005, 16.4930,
3.7301

 25.5797, 18.8362,
6.1193

 27.4520, 21.6856,
9.5036

 29.7460, 25.0700,
13.9788

■ 32.4873, 29.0160,
19.6294

■ 35.6992, 33.5483,
26.5313

■ 39.4034, 38.6899,
34.7543

■ 43.6202, 44.4628,
44.3627

Harmonies

Analogous

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



26.8926, 13.1865, 7.1354



22.1701, 13.1865, 1.3767



15.4781, 13.1865, 0.0000

Triad

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



22.1701, 13.1865, 1.3767



4.4376, 13.1865, 7.8531



15.9275, 13.1865, 73.6332

Complementary

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



22.1701, 13.1865, 1.3767



18.2721, 21.8478, 51.3977

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.



9.9880, 13.1865, 74.5192



22.1701, 13.1865, 1.3767



4.4897, 13.1865, 25.3039

Square

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



22.1701, 13.1865, 1.3767



6.0185, 13.1865, 1.5536



6.1938, 13.1865, 52.6737



22.5867, 13.1865, 50.7688

Rectangle

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



22.1701, 13.1865, 1.3767



11.3832, 13.1865, 0.0000



6.1938, 13.1865, 52.6737



13.7585, 13.1865, 76.8948

Sweetspot

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



22.1704, 13.1873, 1.3769



63.6419, 59.6713, 46.8717



25.6171, 12.6711, 25.3685



13.1455, 12.0727, 8.9085



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.1704, 13.1873, 1.3769



39.5388, 23.2813, 2.4098



31.0961, 31.0388, 4.3521



9.7341, 9.9441, 9.9830



14.9722, 8.9832, 0.9448



0.6427, 0.4644, 0.0558

Inverse Universe

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



18.2721, 21.8478, 51.3977



32.5167, 38.7120, 91.9846



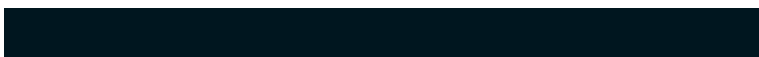
10.0896, 5.4829, 48.6702



9.5849, 10.3621, 12.1671



12.3600, 14.8316, 34.6043



0.5356, 0.6838, 1.3726

Previews

White Background



This preview shows how the XYZ color 22.1701, 13.1865, 1.3767 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



This preview shows how the XYZ color 22.1701, 13.1865, 1.3767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

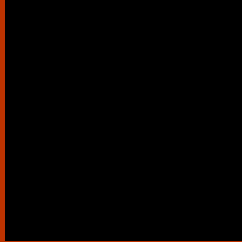
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.1701, 13.1865, 1.3767

Background



This preview shows how black text looks on a background with the XYZ color 22.1701, 13.1865, 1.3767.



This preview shows how white text looks on a background with the XYZ color 22.1701, 13.1865,

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

22.1701, 13.1865, 1.3767

Protanopia

12.1881, 13.4676, 2.6666

Tritanopia

22.8465, 13.2828, 4.2654

Trichromacy



Original Color

22.1701, 13.1865, 1.3767

Protanomaly

14.5707, 12.2093, 1.9695

Tritanomaly

22.5808, 13.2427, 2.6623

Monochromacy



Original Color

22.1701, 13.1865, 1.3767

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

11.2405, 9.2519, 4.8078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1701, 13.1865, 1.3767 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(189, 51, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 51, 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(189, 51, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 51, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.1701, 13.1865, 1.3767 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(189, 51, 0) }
```

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

```
.border{ border-color:rgb(189, 51, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 51, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 51, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 51, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 51, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 22.1701, 13.1865, 1.3767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 51, 0) }
```

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

```
.background{ background-color: rgb(189, 51,  
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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