

Converting Colors

XYZ(22.5676, 11.6798, 8.6876)

Have a look what the booklet for
XYZ(22.5676, 11.6798, 8.6876)
contains.

XYZ(22.5782, 11.6859, 8.6550)	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(22.5782, 11.6859,
8.6550)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0D50
RGB	189, 13, 80
RGB Percent	74%, 5%, 31%
CMY	0.2588, 0.9489, 0.6863
CMYK	0.00, 0.93, 0.58, 0.26
HSL	337°, 87%, 40%
HSV	337°, 93%, 74%
XYZ	22.5782, 11.6859, 8.6550
YIQ	73.2620, 83.3890, 58.1490

Conversions

Conversions Part 2

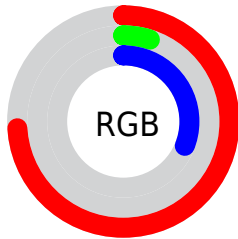
Format	Color
RYB	189, 13, 80
Decimal	12389712
CIELab	40.71, 65.21, 11.79
CIElCh	41, 66.268, 10.245
Yxy	11.6859, 0.5261, 0.2723
Android (android.graphics.Color)	4290579792 (0xFFBD0D50)
YUV	73.2620, 3.3218, 101.5022
Hunter-Lab	34.1846, 58.0722, 8.9180

Details

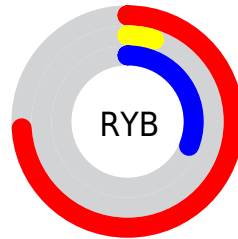
The XYZ color **22.5782, 11.6859, 8.6550** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **21.8787, 37.8868, 24.5820**, and the grayscale version is **6.3657, 6.6972, 7.2933**.

A 20% lighter version of the original color is **47.1543, 28.9106, 23.8639**, and **9.2205, 4.7166, 2.0935** is the 20% darker color. If you saturate the color by 10%, you get **22.1536, 11.2857, 7.1294**, and if you desaturate by 10%, it is **23.4198, 12.6157, 11.2590**.

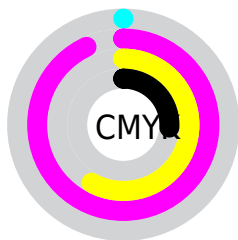
Distribution



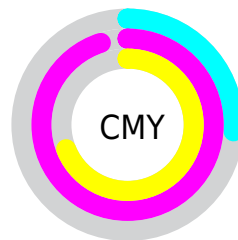
- Red (74%)
- Green (5%)
- Blue (31%)



- Red (74%)
- Yellow (5%)
- Blue (31%)



- Cyan (0%)
- Magenta (93%)
- Yellow (58%)
- Black (26%)





- Cyan (26%)
- Magenta (95%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.5782, 11.6859, 8.6550 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 22.5782, 11.6859, 8.6550 by changing the saturation by 10% instead.


 22.5782, 11.6859,
8.6550

 22.5782, 11.6859,
8.6550

258.1271,
202.3146, 190.9053


 14.4013, 6.5302,
4.4231


 47.1716, 28.9217,
23.7999


 8.4839, 3.1701,
1.8602


 64.3188, 41.7706,
35.5499

 4.4605, 1.2212,
0.4672

 85.1868, 57.9527,
50.6431

 1.9658, 0.0789,
0.0000

 110.1411, 77.8524,
69.4980

 0.6147, 0.0000,
0.0000

 139.5469,
101.8540, 92.5332

 0.0000, 0.0000,
0.0000

 173.7696,

130.3420, 120.1670

213.1745,
163.7007, 152.8182

■ 22.5782, 11.6859,
8.6550

■ 22.5782, 11.6859,
8.6550

■ 22.1536, 11.2857,
7.1294

■ 23.4198, 12.6157,
11.2590

■ 24.6317, 14.1593,
14.3761

■ 26.2611, 16.4061,
18.0389

■ 28.3475, 19.4301,
22.2765

■ 30.9257, 23.2957,
27.1152

■ 34.0269, 28.0607,
32.5797

■ 37.6793, 33.7776,
38.6929

■ 41.9096, 40.4950,
45.4768

■ 46.7421, 48.2579,
52.9519

Harmonies

Analogous

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



21.9620, 11.6859, 23.6236



22.5782, 11.6859, 8.6550



19.5269, 11.6859, 2.2604

Triad

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



22.5782, 11.6859, 8.6550



6.2336, 11.6859, 1.4311



8.3252, 11.6859, 55.9027

Complementary

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



22.5782, 11.6859, 8.6550



21.8787, 37.8868, 24.5820

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.



5.5406, 11.6859, 37.8236



22.5782, 11.6859, 8.6550



4.5902, 11.6859, 5.8301

Square

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



22.5782, 11.6859, 8.6550



9.5767, 11.6859, 0.3484



4.3785, 11.6859, 17.9022



12.7925, 11.6859, 58.9334

Rectangle

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



22.5782, 11.6859, 8.6550



16.2202, 11.6859, 0.8853



4.3785, 11.6859, 17.9022



7.2002, 11.6859, 50.9890

Sweetspot

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



22.5785, 11.6866, 8.6552



63.8633, 54.8082, 63.3028



17.2914, 8.0672, 48.7897



13.1493, 10.8757, 12.6232



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.



22.5785, 11.6866, 8.6552



39.5695, 20.1698, 12.2018



21.6186, 11.9670, 1.5523



9.6764, 9.5948, 10.6847



14.9403, 7.6073, 4.9793



0.6173, 0.3108, 0.3640

Inverse Universe

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



22.5785, 11.6866, 8.6552



39.5695, 20.1698, 12.2018



23.4413, 31.9390, 53.0733



9.6764, 9.5948, 10.6847



14.9403, 7.6073, 4.9793



0.6173, 0.3108, 0.3640

Previews

White Background



This preview shows how the XYZ color 22.5782, 11.6859, 8.6550 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 22.5782, 11.6859, 8.6550 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 22.5782, 11.6859, 8.6550

Background



This preview shows how black text looks on a background with the XYZ color 22.5782, 11.6859, 8.6550.



This preview shows how white text looks on a background with the XYZ color 22.5782, 11.6859,

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

22.5782, 11.6859, 8.6550

Protanopia

12.0432, 12.1900, 18.2412

Deuteranopia

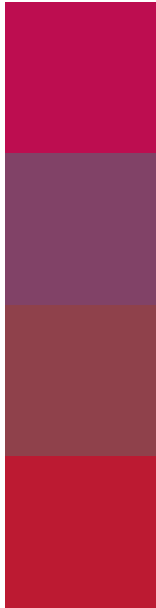
12.3749, 12.1863, 7.8309



Tritanopia

21.3401, 11.8187, 2.5953

Trichromacy



Original Color

22.5782, 11.6859, 8.6550

Protanomaly

13.4497, 9.5428, 13.9650

Deuteranomaly

14.4880, 10.1282, 7.8480

Tritanomaly

21.6842, 11.6604, 4.1254

Monochromacy



Original Color

22.5782, 11.6859, 8.6550

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

9.5586, 6.5343, 7.5949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5782, 11.6859, 8.6550 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, 13, 80)` looks like.

```
.text, #text, p{  
    color:rgb(189, 13, 80)  
}
```

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, 13, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 13, 80) }
```

Border

The CSS property to change the border of an element to XYZ 22.5782, 11.6859, 8.6550 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, 13, 80) }
```


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

```
.border{ border-color:rgb(189, 13, 80) }
```

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

Here you see how a box with a 4 pixel rgb(189, 13, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 13, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 13, 80);  
box-shadow:4px 4px 4px 4px rgb(189, 13,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5782, 11.6859, 8.6550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 13, 80) }
```

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

```
.background{ background-color: rgb(189, 13,  
80) }
```

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