

Converting Colors

XYZ(20.8792, 11.2312, 1.4120)

Have a look what the booklet for
XYZ(20.8792, 11.2312, 1.4120)
contains.

XYZ(20.8865, 11.2446, 1.4174)	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(20.8865, 11.2446,
1.4174)**

Conversions

Conversions Part 1

Format	Color
Hex	BB180C
RGB	187, 24, 12
RGB Percent	73%, 9%, 5%
CMY	0.2667, 0.9058, 0.9529
CMYK	0.00, 0.87, 0.94, 0.27
HSL	4°, 88%, 39%
HSV	4°, 94%, 73%
XYZ	20.8865, 11.2446, 1.4174
YIQ	71.3690, 101.0000, 30.8240

Conversions

Conversions Part 2

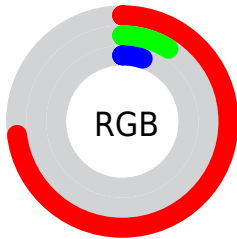
Format	Color
RYB	187, 25, 12
Decimal	12261388
CIELab	39.99, 60.39, 49.49
CIElCh	40, 78.077, 39.331
Yxy	11.2446, 0.6226, 0.3352
Android (android.graphics.Color)	4290451468 (0xFFBB180C)
YUV	71.3690, -29.2689, 101.4084
Hunter-Lab	33.5330, 52.4986, 20.9670

Details

The XYZ color **20.8865, 11.2446, 1.4174** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **24.4474, 34.3184, 52.3489**, and the grayscale version is **6.0895, 6.4067, 6.9769**.

A 20% lighter version of the original color is **44.5329, 28.1664, 7.3645**, and **8.3122, 4.2851, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **20.6353, 10.8486, 1.0064**, and if you desaturate by 10%, it is **21.5448, 12.2782, 2.5101**.

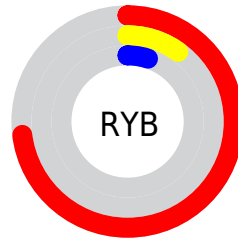
Distribution



Red (73%)

Green (9%)

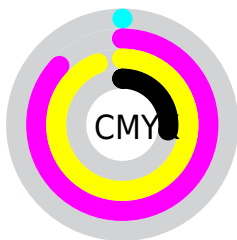
Blue (5%)



Red (73%)

Yellow (10%)

Blue (5%)

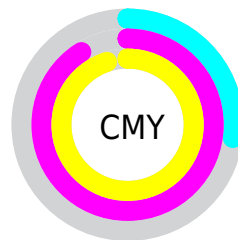


Cyan (0%)

Magenta (87%)

Yellow (94%)

Black (27%)



Cyan (27%)


Magenta (91%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8865, 11.2446, 1.4174 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 20.8865, 11.2446, 1.4174 by changing the saturation by 10% instead.


 20.8865, 11.2446,
1.4174


 20.8865, 11.2446,
1.4174


 249.4178,
199.3381, 112.5498


 13.1531, 6.2316,
0.1552


 44.3913, 28.1116,
7.3762


 7.6117, 2.9864,
0.0000


 60.8933, 40.7344,
13.1151


 3.8972, 1.1246,
0.0000

 81.0489, 56.6626,
21.2518

 1.6442, 0.0000,
0.0000

 105.2234, 76.2805,
32.2047


 0.4209, 0.0000,
0.0000


 133.7822, 99.9726,
46.3924


 0.0000, 0.0000,
0.0000


 167.0906,


128.1234, 64.2335


 205.5141,
161.1170, 86.1464


 20.8865, 11.2446,
1.4174


 20.8865, 11.2446,
1.4174


 20.6353, 10.8486,
1.0064

 21.5448, 12.2782,
2.5101

 22.6125, 13.9024,
4.4419

 24.1426, 16.1889,
7.3372

 26.1800, 19.1985,
11.3000

 28.7640, 22.9851,
16.4203

■ 31.9304, 27.5976,
22.7792

■ 35.7116, 33.0807,
30.4499

■ 40.1379, 39.4760,
39.5004

■ 45.2373, 46.8225,
49.9938

Harmonies

Analogous

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



24.5389, 11.2446, 8.0306



20.8865, 11.2446, 1.4174



14.7830, 11.2446, 0.0000

Triad

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



20.8865, 11.2446, 1.4174



3.6236, 11.2446, 4.4663



12.4594, 11.2446, 71.1785

Complementary

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



20.8865, 11.2446, 1.4174



24.4474, 34.3184, 52.3489

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.



7.4285, 11.2446, 66.3795



20.8865, 11.2446, 1.4174



3.3718, 11.2446, 17.7197

Square

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



20.8865, 11.2446, 1.4174



5.3691, 11.2446, 0.5981



4.5045, 11.2446, 42.3739



18.7024, 11.2446, 52.5958

Rectangle

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



20.8865, 11.2446, 1.4174



10.8092, 11.2446, 0.0000



4.5045, 11.2446, 42.3739



10.5671, 11.2446, 72.4505

Sweetspot

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



20.8867, 11.2453, 1.4176



60.5207, 54.2656, 47.5439



28.3954, 13.9359, 41.9223



12.7025, 11.0429, 9.2042



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.



20.8867, 11.2453, 1.4176



36.8987, 19.3113, 1.7827



26.2623, 21.9965, 3.2094



9.5814, 9.6388, 9.9321



14.2383, 7.5153, 0.7002



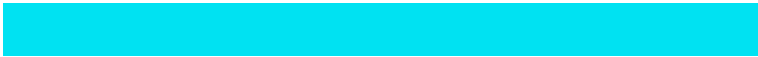
0.5759, 0.3308, 0.0335

Inverse Universe

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



24.4474, 34.3184, 52.3489



43.1558, 60.6082, 93.6254



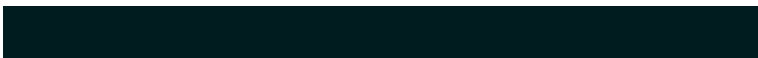
12.5973, 10.6181, 48.3989



9.7510, 10.6943, 12.2225



16.6516, 23.4148, 36.0348



0.6693, 0.9512, 1.4172

Previews

White Background



This preview shows how the XYZ color 20.8865, 11.2446, 1.4174 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 20.8865, 11.2446, 1.4174

Background



This preview shows how black text looks on a background with the XYZ color 20.8865, 11.2446, 1.4174.



This preview shows how white text looks on a background with the XYZ color 20.8865, 11.2446,

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

20.8865, 11.2446, 1.4174

Protanopia

10.4559, 11.5754, 2.7818

Deuteranopia

11.6262, 11.5471, 1.6160



Tritanopia

20.9175, 11.2246, 1.6802

Trichromacy



Original Color

20.8865, 11.2446, 1.4174

Protanomaly

12.4883, 9.6725, 1.9678

Deuteranomaly

13.7061, 10.0428, 1.3309

Tritanomaly

20.8934, 11.2150, 1.5537

Monochromacy



Original Color

20.8865, 11.2446, 1.4174

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

8.7049, 6.3793, 3.7901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8865, 11.2446, 1.4174 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(187, 24, 12)` looks like.

```
.text, #text, p{  
    color:rgb(187, 24, 12)  
}
```

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(187, 24, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 24, 12) }
```

Border

The CSS property to change the border of an element to XYZ 20.8865, 11.2446, 1.4174 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(187, 24, 12) }
```


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

```
.border{ border-color:rgb(187, 24, 12) }
```

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

Here you see how a box with a 4 pixel rgb(187, 24, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 24, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 24, 12);  
box-shadow:4px 4px 4px 4px rgb(187, 24,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8865, 11.2446, 1.4174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 24, 12) }
```

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

```
.background{ background-color: rgb(187, 24,  
12) }
```

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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