

Converting Colors

XYZ(20.8227, 12.4436, 1.3044)

Have a look what the booklet for
XYZ(20.8227, 12.4436, 1.3044)
contains.

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Color

**XYZ(20.9078, 12.4716,
1.3053)**

Conversions

Conversions Part 1

Format	Color
Hex	B83200
RGB	184, 50, 0
RGB Percent	72%, 20%, 0%
CMY	0.2784, 0.8039, 1.0000
CMYK	0.00, 0.73, 1.00, 0.28
HSL	16°, 100%, 36%
HSV	16°, 100%, 72%
XYZ	20.9078, 12.4716, 1.3053
YIQ	84.3660, 95.9140, 12.8580

Conversions

Conversions Part 2

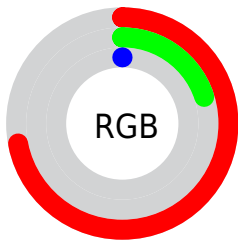
Format	Color
R_{YB}	184, 69, 0
Decimal	12071424
CIE Lab	41.96, 52.02, 54.15
CIE LCh	42, 75.088, 46.151
Yxy	12.4716, 0.6028, 0.3596
Android (android.graphics.Color)	4290261504 (0xFFB83200)
YUV	84.3660, -41.5924, 87.3790
Hunter-Lab	35.3152, 43.8767, 22.5292

Details

The XYZ color **20.9078, 12.4716, 1.3053** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **17.1756, 20.5084, 48.4003**, and the grayscale version is **8.5731, 9.0196, 9.8223**.

A 20% lighter version of the original color is **44.4288, 30.3260, 7.0019**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **20.9080, 12.4722, 1.3054**, and if you desaturate by 10%, it is **21.6798, 13.8358, 2.1176**.

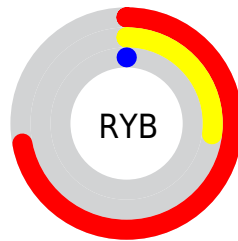
Distribution



Red (72%)

Green (20%)

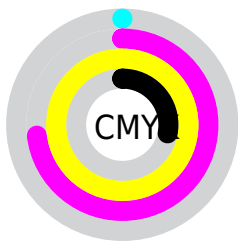
Blue (0%)



Red (72%)

Yellow (27%)

Blue (0%)

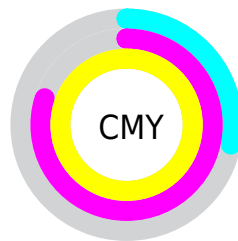


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (80%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9078, 12.4716, 1.3053 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 20.9078, 12.4716, 1.3053 by changing the saturation by 10% instead.


 20.9078, 12.4716,
1.3053


 20.9078, 12.4716,
1.3053


 249.5291,
207.5029, 110.4351


 13.1687, 7.0657,
0.0661


 44.4265, 30.3512,
7.0357


 7.6226, 3.5032,
0.0000


 60.9368, 43.5936,
12.6140

 3.9042, 1.3998,
0.0000

 81.1015, 60.2171,
20.5590

 1.6481, 0.2165,
0.0000

 105.2860, 80.6059,
31.2894


 0.4234, 0.0000,
0.0000


 133.8556,
105.1445, 45.2237


 0.0000, 0.0000,
0.0000


 167.1758,


134.2173, 62.7804


 205.6118,
168.2086, 84.3780


 20.9078, 12.4716,
1.3053


 20.9078, 12.4716,
1.3053


 20.9080, 12.4722,
1.3054

 21.6798, 13.8358,
2.1176

 22.7383, 15.6036,
3.5473

 24.1351, 17.8154,
5.8065

 25.9005, 20.5009,
9.0004

 28.0608, 23.6869,
13.2187

■ 30.6400, 27.3979,
18.5402

■ 33.6598, 31.6571,
25.0361

■ 37.1406, 36.4858,
32.7717

■ 41.1012, 41.9044,
41.8071

Harmonies

Analogous

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



25.3706, 12.4716, 6.7199



20.9078, 12.4716, 1.3053



14.6010, 12.4716, 0.0000

Triad

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



20.9078, 12.4716, 1.3053



4.2097, 12.4716, 7.4908



15.0828, 12.4716, 69.3141

Complementary

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



20.9078, 12.4716, 1.3053



17.1756, 20.5084, 48.4003

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.



9.4750, 12.4716, 70.2620



20.9078, 12.4716, 1.3053



4.2657, 12.4716, 23.9990

Square

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



20.9078, 12.4716, 1.3053



5.6955, 12.4716, 1.4964



5.8838, 12.4716, 49.7813



21.3542, 12.4716, 47.7423

Rectangle

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



20.9078, 12.4716, 1.3053



10.7451, 12.4716, 0.0000



5.8838, 12.4716, 49.7813



13.0365, 12.4716, 72.4187

Sweetspot

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



20.9081, 12.4724, 1.3055



60.7231, 56.9748, 44.7401



24.1355, 11.9377, 23.9292



12.5792, 11.5643, 8.5357



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.9081, 12.4724, 1.3055



37.7322, 22.2704, 2.3099



29.3017, 29.2597, 4.1034



9.1979, 9.3988, 9.4363



14.4612, 8.6987, 0.9168



0.5630, 0.4131, 0.0501

Inverse Universe

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



17.1756, 20.5084, 48.4003



30.9266, 36.7595, 87.6699



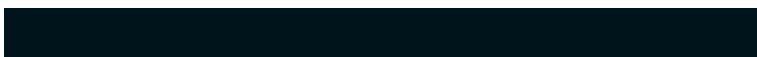
9.5132, 5.1837, 45.8462



9.0547, 9.7866, 11.4912



11.8984, 14.2564, 33.3777



0.4679, 0.5996, 1.1928

Previews

White Background



This preview shows how the XYZ color 20.9078, 12.4716, 1.3053 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 20.9078, 12.4716, 1.3053

Background



This preview shows how black text looks on a background with the XYZ color 20.9078, 12.4716, 1.3053.



This preview shows how white text looks on a background with the XYZ color 20.9078, 12.4716,

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

20.9078, 12.4716, 1.3053

Protanopia

11.5026, 12.6792, 2.5505

Deuteranopia

12.6964, 12.6200, 1.7667



Tritanopia

21.5576, 12.5607, 4.0846

Trichromacy



Original Color

20.9078, 12.4716, 1.3053

Protanomaly

13.7374, 11.5526, 1.8866

Deuteranomaly

14.8286, 11.7950, 1.4951

Tritanomaly

21.3119, 12.5271, 2.5910

Monochromacy



Original Color

20.9078, 12.4716, 1.3053

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

10.7057, 8.8848, 4.5189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9078, 12.4716, 1.3053 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(184, 50, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 50, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 50, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.9078, 12.4716, 1.3053 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(184, 50, 0) }
```


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

```
.border{ border-color:rgb(184, 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(184, 50, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 50, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 50, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 50, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.9078, 12.4716, 1.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 50, 0) }
```

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

```
.background{ background-color: rgb(184, 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](#).

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