

Converting Colors

XYZ(20.3631, 10.4887, 1.3545)

Have a look what the booklet for
XYZ(20.3631, 10.4887, 1.3545)
contains.

XYZ(20.3290, 10.4708, 1.3651)	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(20.3290, 10.4708,
1.3651)**

Conversions

Conversions Part 1

Format	Color
Hex	BA000E
RGB	186, 0, 14
RGB Percent	73%, 0%, 5%
CMY	0.2706, 0.9999, 0.9451
CMYK	0.00, 1.00, 0.92, 0.27
HSL	355°, 100%, 36%
HSV	355°, 100%, 73%
XYZ	20.3290, 10.4708, 1.3651
YIQ	57.2100, 106.3620, 43.7860

Conversions

Conversions Part 2

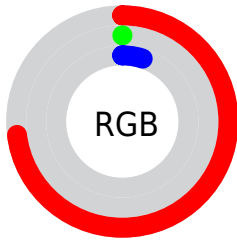
Format	Color
RYB	186, 0, 14
Decimal	12189710
CIELab	38.67, 63.35, 47.80
CIElCh	39, 79.364, 37.038
Yxy	10.4708, 0.6320, 0.3255
Android (android.graphics.Color)	4290379790 (0xFFBA000E)
YUV	57.2100, -21.3025, 112.9488
Hunter-Lab	32.3586, 55.5134, 20.1498

Details

The XYZ color **20.3290, 10.4708, 1.3651** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **25.0086, 38.0976, 45.0811**, and the grayscale version is **3.9364, 4.1414, 4.5100**.

A 20% lighter version of the original color is **43.5684, 26.7310, 7.2782**, and **8.1684, 4.2110, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **20.3286, 10.4707, 1.3640**, and if you desaturate by 10%, it is **20.7263, 10.9925, 2.3398**.

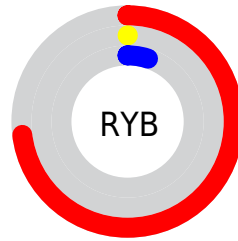
Distribution



Red (73%)

Green (0%)

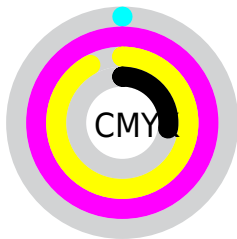
Blue (5%)



Red (73%)

Yellow (0%)

Blue (5%)

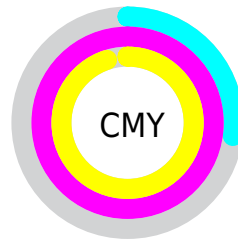


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (27%)



Cyan (27%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3290, 10.4708, 1.3651 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 20.3290, 10.4708, 1.3651 by changing the saturation by 10% instead.


 20.3290, 10.4708,
1.3651


 20.3290, 10.4708,
1.3651


 246.4904,
194.0000, 111.5743


 12.7441, 5.7122,
0.1143


 43.4678, 26.6773,
7.2183


 7.3283, 2.6709,
0.0000


 59.7525, 38.8941,
12.8831


 3.7164, 0.9624,
0.0000

 79.6677, 54.3657,
20.9314

 1.5430, 0.0000,
0.0000

 103.5789, 73.4765,
31.7817

 0.3548, 0.0000,
0.0000


 131.8514, 96.6109,
45.8527


 0.0000, 0.0000,
0.0000


 164.8506,


124.1534, 63.5627


 202.9418,
156.4883, 85.3304


 20.3290, 10.4708,
1.3651


 20.3290, 10.4708,
1.3651


 20.3286, 10.4707,
1.3640

 20.7263, 10.9925,
2.3398

 21.4604, 11.9935,
4.0244

 22.6276, 13.6400,
6.5344

 24.2815, 16.0163,
9.9575

 26.4679, 19.1940,
14.3704

■ 29.2271, 23.2361,
19.8417

■ 32.5958, 28.1994,
26.4338

■ 36.6074, 34.1358,
34.2042

■ 41.2930, 41.0934,
43.2067

Harmonies

Analogous

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



23.6378, 10.4708, 8.2241



20.3290, 10.4708, 1.3651



14.4126, 10.4708, 0.0000

Triad

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



20.3290, 10.4708, 1.3651



3.2682, 10.4708, 3.4529



11.2357, 10.4708, 70.5100

Complementary

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



20.3290, 10.4708, 1.3651



25.0086, 38.0976, 45.0811

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.



6.5224, 10.4708, 63.7797



20.3290, 10.4708, 1.3651



2.9370, 10.4708, 15.3056

Square

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



20.3290, 10.4708, 1.3651



5.0413, 10.4708, 0.2327



3.8904, 10.4708, 39.0286



17.3201, 10.4708, 53.2946

Rectangle

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



20.3290, 10.4708, 1.3651



10.4808, 10.4708, 0.0000



3.8904, 10.4708, 39.0286



9.4416, 10.4708, 71.1131

Sweetspot

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



20.3292, 10.4715, 1.3652



58.7402, 50.6083, 47.2472



25.5496, 12.1480, 47.4523



12.3407, 10.2673, 9.2435



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.



20.3292, 10.4715, 1.3652



36.8146, 18.9658, 2.3011



22.9401, 15.8198, 1.8454



9.0313, 9.0229, 9.5120



13.6878, 7.0489, 0.9769



0.4918, 0.2522, 0.0833

Inverse Universe

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



20.3292, 10.4715, 1.3652



36.8146, 18.9658, 2.3011



14.2802, 14.3791, 48.4769



9.0313, 9.0229, 9.5120



13.6878, 7.0489, 0.9769



0.4918, 0.2522, 0.0833

Previews

White Background



This preview shows how the XYZ color 20.3290, 10.4708, 1.3651 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 20.3290, 10.4708, 1.3651

Background



This preview shows how black text looks on a background with the XYZ color 20.3290, 10.4708, 1.3651.



This preview shows how white text looks on a background with the XYZ color 20.3290, 10.4708,

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

20.3290, 10.4708, 1.3651

Protanopia

10.0627, 11.1024, 2.8409

Deuteranopia

11.0436, 10.9963, 1.5404



Tritanopia

20.2080, 10.7152, 1.0032

Trichromacy



Original Color

20.3290, 10.4708, 1.3651

Protanomaly

11.6122, 8.3660, 1.8669

Deuteranomaly

12.8182, 8.7769, 1.1621

Tritanomaly

20.1546, 10.5646, 1.1205

Monochromacy



Original Color

20.3290, 10.4708, 1.3651

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.7400, 4.3649, 2.5851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3290, 10.4708, 1.3651 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(186, 0, 14)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 14)  
}
```

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(186, 0, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 14) }
```

Border

The CSS property to change the border of an element to XYZ 20.3290, 10.4708, 1.3651 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(186, 0, 14) }
```


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

```
.border{ border-color:rgb(186, 0, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 0, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 14);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 14)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.3290, 10.4708, 1.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 14) }
```

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

```
.background{ background-color: rgb(186, 0,  
14) }
```

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