

Converting Colors

XYZ(20.4154, 10.8502, 1.6226)

Have a look what the booklet for
XYZ(20.4154, 10.8502, 1.6226)
contains.

XYZ(20.3580, 10.8270, 1.6329)	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(20.3580, 10.8270,
1.6329)**

Conversions

Conversions Part 1

Format	Color
Hex	B91313
RGB	185, 19, 19
RGB Percent	73%, 7%, 7%
CMY	0.2745, 0.9254, 0.9255
CMYK	0.00, 0.90, 0.90, 0.27
HSL	0°, 81%, 40%
HSV	0°, 90%, 73%
XYZ	20.3580, 10.8270, 1.6329
YIQ	68.6340, 98.9360, 35.1920

Conversions

Conversions Part 2

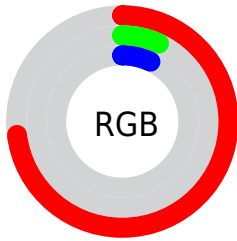
Format	Color
RYB	185, 19, 19
Decimal	12129043
CIELab	39.29, 60.85, 46.00
CIElCh	39, 76.283, 37.089
Yxy	10.8270, 0.6203, 0.3299
Android (android.graphics.Color)	4290319123 (0xFFB91313)
YUV	68.6340, -24.4696, 102.0530
Hunter-Lab	32.9044, 52.8555, 20.0908

Details

The XYZ color **20.3580, 10.8270, 1.6329** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **26.3700, 38.3303, 51.9073**, and the grayscale version is **5.6259, 5.9188, 6.4456**.

A 20% lighter version of the original color is **43.4293, 27.3378, 7.9888**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **20.0159, 10.3267, 0.9527**, and if you desaturate by 10%, it is **21.0271, 11.8066, 2.9623**.

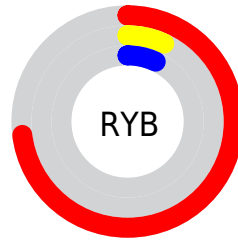
Distribution



Red (73%)

Green (7%)

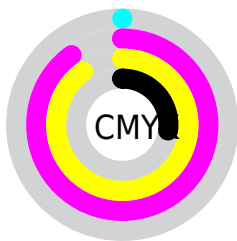
Blue (7%)



Red (73%)

Yellow (7%)

Blue (7%)

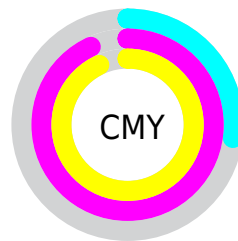


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (27%)



Cyan (27%)


Magenta (93%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3580, 10.8270, 1.6329 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 20.3580, 10.8270, 1.6329 by changing the saturation by 10% instead.


 20.3580, 10.8270,
1.6329


 20.3580, 10.8270,
1.6329


246.6434,
196.4768, 116.3876


 12.7653, 5.9506,
0.3141


 43.5160, 27.3398,
8.0105


 7.3430, 2.8151,
0.0000


 59.8120, 39.7450,
14.0415


 3.7258, 1.0360,
0.0000

 79.7398, 55.4287,
22.5254

 1.5482, 0.0000,
0.0000

 103.6647, 74.7751,
33.8808

 0.3583, 0.0000,
0.0000


 131.9522, 98.1688,
48.5262


 0.0000, 0.0000,
0.0000


 164.9676,


125.9940, 66.8801

 203.0762,
158.6352, 89.3610


 20.3580, 10.8270,
1.6329


 20.3580, 10.8270,
1.6329


 20.0159, 10.3267,
0.9527


 21.0271, 11.8066,
2.9623

 20.0077, 10.3147,
0.9364

 22.1362, 13.4296,
5.1668

 23.7436, 15.7818,
8.3620

 25.8986, 18.9352,
12.6457

 28.6444, 22.9532,
18.1043

■ 32.0202, 27.8929,
24.8152

■ 36.0616, 33.8065,
32.8494

■ 40.8015, 40.7423,
42.2726

■ 46.2709, 48.7454,
53.1460

Harmonies

Analogous

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



23.5424, 10.8270, 8.6296



20.3580, 10.8270, 1.6329



14.6372, 10.8270, 0.0000

Triad

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



20.3580, 10.8270, 1.6329



3.6082, 10.8270, 3.8469



11.5591, 10.8270, 68.0821

Complementary

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



20.3580, 10.8270, 1.6329



26.3700, 38.3303, 51.9073

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.



6.9031, 10.8270, 61.7956



20.3580, 10.8270, 1.6329



3.2693, 10.8270, 15.6378

Square

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



20.3580, 10.8270, 1.6329



5.4076, 10.8270, 0.4815



4.2493, 10.8270, 38.4181



17.4747, 10.8270, 51.8438

Rectangle

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



20.3580, 10.8270, 1.6329



10.8008, 10.8270, 0.0000



4.2493, 10.8270, 38.4181



9.7970, 10.8270, 68.6626

Sweetspot

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



20.3582, 10.8277, 1.6330



58.8972, 52.2229, 47.5235



28.9972, 14.2827, 47.1272



12.2088, 10.5438, 9.2745



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.



20.3582, 10.8277, 1.6330



35.8337, 18.4734, 1.6771



24.8764, 19.8639, 3.1391



9.0047, 9.0124, 9.3719



13.6236, 7.0235, 0.6376



0.4803, 0.2477, 0.0225

Inverse Universe

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



26.3700, 38.3303, 51.9073



46.7467, 68.3996, 92.9432



13.7768, 13.1439, 47.7096



9.2666, 10.2105, 11.5618



17.7726, 26.0048, 35.3358



0.6266, 0.9168, 1.2457

Previews

White Background



This preview shows how the XYZ color 20.3580, 10.8270, 1.6329 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 20.3580, 10.8270, 1.6329

Background



This preview shows how black text looks on a background with the XYZ color 20.3580, 10.8270, 1.6329.



This preview shows how white text looks on a background with the XYZ color 20.3580, 10.8270,

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

20.3580, 10.8270, 1.6329

Protanopia

10.1318, 11.1300, 3.2044

Deuteranopia

11.2639, 11.2343, 1.5748



Tritanopia

20.3304, 10.8437, 1.4023

Trichromacy



Original Color

20.3580, 10.8270, 1.6329

Protanomaly

12.0604, 9.1714, 2.2970

Deuteranomaly

13.1994, 9.5218, 1.3432

Tritanomaly

20.3440, 10.8491, 1.4738

Monochromacy



Original Color

20.3580, 10.8270, 1.6329

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

8.3369, 5.9862, 3.8480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3580, 10.8270, 1.6329 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(185, 19, 19)` looks like.

```
.text, #text, p{  
    color:rgb(185, 19, 19)  
}
```

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(185, 19, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 19, 19) }
```

Border

The CSS property to change the border of an element to XYZ 20.3580, 10.8270, 1.6329 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(185, 19, 19) }
```


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

```
.border{ border-color:rgb(185, 19, 19) }
```

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

Here you see how a box with a 4 pixel rgb(185, 19, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 19, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 19, 19);  
box-shadow:4px 4px 4px 4px rgb(185, 19,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3580, 10.8270, 1.6329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 19, 19) }
```

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

```
.background{ background-color: rgb(185, 19,  
19) }
```

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