

Converting Colors

XYZ(18.9808, 8.1534, 1.4341)

Have a look what the booklet for
XYZ(18.9808, 8.1534, 1.4341)
contains.

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Color

**XYZ(20.1725, 10.3802,
1.8045)**

Conversions

Conversions Part 1

Format	Color
Hex	B90018
RGB	185, 0, 24
RGB Percent	73%, 0%, 9%
CMY	0.2745, 0.9999, 0.9059
CMYK	0.00, 1.00, 0.87, 0.27
HSL	352°, 100%, 36%
HSV	352°, 100%, 73%
XYZ	20.1725, 10.3802, 1.8045
YIQ	58.0510, 102.5560, 46.6840

Conversions

Conversions Part 2

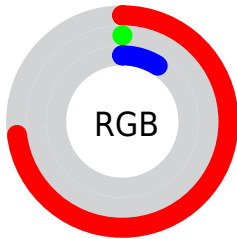
Format	Color
R_{YB}	185, 0, 24
Decimal	12124184
CIE _{Lab}	38.52, 63.26, 43.00
CIE _{LCh}	39, 76.495, 34.205
Yxy	10.3802, 0.6234, 0.3208
Android (android.graphics.Color)	4290314264 (0xFFB90018)
YUV	58.0510, -16.7871, 111.3343
Hunter-Lab	32.2183, 55.3802, 19.2321

Details

The XYZ color **20.1725, 10.3802, 1.8045** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **23.7850, 37.2723, 39.6730**, and the grayscale version is **4.0429, 4.2535, 4.6320**.

A 20% lighter version of the original color is **43.0835, 26.4543, 8.4657**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **20.1721, 10.3801, 1.8031**, and if you desaturate by 10%, it is **20.6173, 10.9182, 3.0374**.

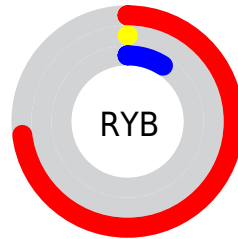
Distribution



Red (73%)

Green (0%)

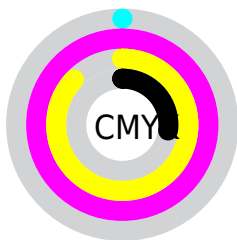
Blue (9%)



Red (73%)

Yellow (0%)

Blue (9%)

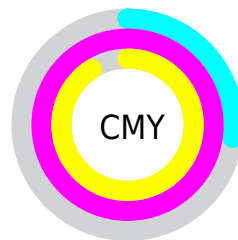


Cyan (0%)

Magenta (100%)

Yellow (87%)

Black (27%)



Cyan (27%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1725, 10.3802, 1.8045 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 20.1725, 10.3802, 1.8045 by changing the saturation by 10% instead.


 20.1725, 10.3802,
1.8045


 20.1725, 10.3802,
1.8045


245.6632,
193.3645, 119.2632


 12.6295, 5.6518,
0.4309


 43.2079, 26.5082,
8.4991


 7.2491, 2.6345,
0.0000


 59.4311, 38.6766,
14.7495


 3.6661, 0.9440,
0.0000

 79.2783, 54.0937,
23.4933

 1.5150, 0.0000,
0.0000

 103.1150, 73.1440,
35.1491


 0.3360, 0.0000,
0.0000


 131.3065, 96.2118,
50.1355


 0.0000, 0.0000,
0.0000


 164.2181,


123.6815, 68.8709


 202.2152,
155.9377, 91.7740


 20.1725, 10.3802,
1.8045

 20.1725, 10.3802,
1.8045


 20.1721, 10.3801,
1.8031

 20.6173, 10.9182,
3.0374

 21.3889, 11.9268,
4.9425

 22.5788, 13.5692,
7.6128

 24.2368, 15.9273,
11.1188

 26.4056, 19.0707,
15.5231

■ 29.1230, 23.0609,
20.8821

■ 32.4230, 27.9530,
27.2478

■ 36.3372, 33.7976,
34.6680

■ 40.8946, 40.6416,
43.1879

Harmonies

Analogous

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



22.9326, 10.3802, 9.3971



20.1725, 10.3802, 1.8045



14.6808, 10.3802, 0.0000

Triad

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



20.1725, 10.3802, 1.8045



3.4852, 10.3802, 3.0450



10.5896, 10.3802, 67.2019

Complementary

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



20.1725, 10.3802, 1.8045



23.7850, 37.2723, 39.6730

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.



6.2392, 10.3802, 58.7985



20.1725, 10.3802, 1.8045



3.0389, 10.3802, 13.4489

Square

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



20.1725, 10.3802, 1.8045



5.3803, 10.3802, 0.2198



3.8503, 10.3802, 34.9941



16.3343, 10.3802, 52.9300

Rectangle

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



20.1725, 10.3802, 1.8045



10.8712, 10.3802, 0.0000



3.8503, 10.3802, 34.9941



8.9249, 10.3802, 66.9832

Sweetspot

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



20.1727, 10.3809, 1.8046



57.7439, 49.5792, 48.1780



23.3220, 11.0118, 46.7951



11.8924, 9.8625, 9.3185



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.



20.1727, 10.3809, 1.8046



36.0815, 18.5721, 2.9836



22.0659, 14.4308, 1.6233



9.0507, 9.0307, 9.6145



13.7510, 7.0742, 1.3099



0.5002, 0.2555, 0.1273

Inverse Universe

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



20.1727, 10.3809, 1.8046



36.0815, 18.5721, 2.9836



15.1393, 16.2670, 48.2407



9.0507, 9.0307, 9.6145



13.7510, 7.0742, 1.3099



0.5002, 0.2555, 0.1273

Previews

White Background



This preview shows how the XYZ color 20.1725, 10.3802, 1.8045 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 20.1725, 10.3802, 1.8045

Background



This preview shows how black text looks on a background with the XYZ color 20.1725, 10.3802, 1.8045.



This preview shows how white text looks on a background with the XYZ color 20.1725, 10.3802,

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

20.1725, 10.3802, 1.8045

Protanopia

10.1119, 11.1086, 3.7090

Deuteranopia

11.0436, 10.9963, 1.5404



Tritanopia

19.9676, 10.5912, 0.9919

Trichromacy



Original Color

20.1725, 10.3802, 1.8045

Protanomaly

11.5921, 8.3396, 2.5888

Deuteranomaly

12.6678, 8.6968, 1.2694

Tritanomaly

19.9361, 10.4494, 1.2246

Monochromacy



Original Color

20.1725, 10.3802, 1.8045

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.8636, 4.4634, 3.0845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1725, 10.3802, 1.8045 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, 0, 24)` looks like.

```
.text, #text, p{  
    color:rgb(185, 0, 24)  
}
```

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, 0, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 0, 24) }
```

Border

The CSS property to change the border of an element to XYZ 20.1725, 10.3802, 1.8045 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, 0, 24) }
```


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

```
.border{ border-color:rgb(185, 0, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 0, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(185, 0, 24)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.1725, 10.3802, 1.8045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 0, 24) }
```

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

```
.background{ background-color: rgb(185, 0,  
24) }
```

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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