

Converting Colors

XYZ(19.3059, 8.7437, 2.1529)

Have a look what the booklet for
XYZ(19.3059, 8.7437, 2.1529)
contains.

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Color

**XYZ(20.0559, 10.3058,
2.4455)**

Conversions

Conversions Part 1

Format	Color
Hex	B80022
RGB	184, 0, 34
RGB Percent	72%, 0%, 13%
CMY	0.2784, 0.9999, 0.8667
CMYK	0.00, 1.00, 0.82, 0.28
HSL	349°, 100%, 36%
HSV	349°, 100%, 72%
XYZ	20.0559, 10.3058, 2.4455
YIQ	58.8920, 98.7500, 49.5820

Conversions

Conversions Part 2

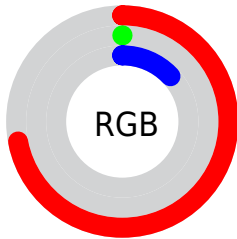
Format	Color
RYB	184, 0, 34
Decimal	12058658
CIELab	38.39, 63.25, 37.34
CIElCh	38, 73.450, 30.555
Yxy	10.3058, 0.6113, 0.3141
Android (android.graphics.Color)	4290248738 (0xFFB80022)
YUV	58.8920, -12.2718, 109.7197
Hunter-Lab	32.1026, 55.3370, 17.9553

Details

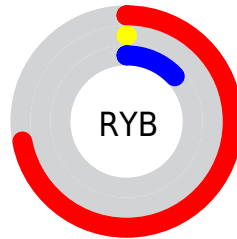
The XYZ color **20.0559, 10.3058, 2.4455** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **22.6483, 36.4840, 34.7156**, and the grayscale version is **4.1513, 4.3675, 4.7562**.

A 20% lighter version of the original color is **43.0651, 26.4058, 10.2242**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **20.0554, 10.3056, 2.4436**, and if you desaturate by 10%, it is **20.5448, 10.8588, 3.9191**.

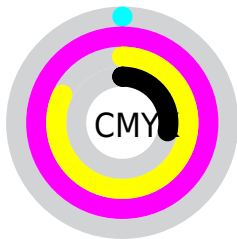
Distribution



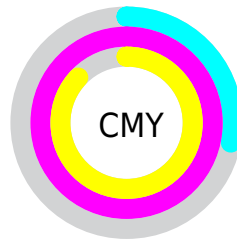
- Red (72%)
- Green (0%)
- Blue (13%)



- Red (72%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.0559, 10.3058, 2.4455 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 20.0559, 10.3058, 2.4455 by changing the saturation by 10% instead.


 20.0559, 10.3058,
2.4455


 20.0559, 10.3058,
2.4455


245.0454,
192.8409, 128.9506


 12.5442, 5.6022,
0.8111


 43.0141, 26.3691,
10.2264

 7.1903, 2.6047,
0.0000


 59.1913, 38.4976,
17.2180


 3.6288, 0.9290,
0.0000

 78.9877, 53.8698,
26.8350

 1.4943, 0.0000,
0.0000

 102.7687, 72.8702,
39.4960


 0.3220, 0.0000,
0.0000


 130.8996, 95.8831,
55.6195


 0.0000, 0.0000,
0.0000


 163.7458,


123.2929, 75.6241


 201.6726,
155.4840, 99.9282


 20.0559, 10.3058,
2.4455


 20.0559, 10.3058,
2.4455

 20.0554, 10.3056,
2.4436

 20.5448, 10.8588,
3.9191

 21.3489, 11.8732,
6.0178

 22.5558, 13.5093,
8.8173

 24.2121, 15.8470,
12.3747

 26.3579, 18.9543,
16.7409

■ 29.0286, 22.8910,
21.9622

■ 32.2565, 27.7109,
28.0814

■ 36.0711, 33.4633,
35.1385

■ 40.4998, 40.1941,
43.1708

Harmonies

Analogous

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



22.1882, 10.3058, 10.9676



20.0559, 10.3058, 2.4455



15.0545, 10.3058, 0.1552

Triad

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



20.0559, 10.3058, 2.4455



3.7661, 10.3058, 2.6094



9.8849, 10.3058, 63.6351

Complementary

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



20.0559, 10.3058, 2.4455



22.6483, 36.4840, 34.7156

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.



5.9305, 10.3058, 53.4100



20.0559, 10.3058, 2.4455



3.1718, 10.3058, 11.4789

Square

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



20.0559, 10.3058, 2.4455



5.8206, 10.3058, 0.2050



3.8134, 10.3058, 30.6735



15.2613, 10.3058, 52.6899

Rectangle

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



20.0559, 10.3058, 2.4455



11.3852, 10.3058, 0.0000



3.8134, 10.3058, 30.6735



8.3608, 10.3058, 62.5091

Sweetspot

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



20.0561, 10.3065, 2.4456



58.1448, 49.7396, 50.2887



20.7216, 9.6834, 46.1241



11.9848, 9.8994, 9.8050



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.



20.0561, 10.3065, 2.4456



36.2929, 18.6566, 4.0967



21.1440, 12.9438, 1.3849



9.0705, 9.0386, 9.7189



13.8417, 7.1104, 1.7873



0.5086, 0.2589, 0.1719

Inverse Universe

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



20.0561, 10.3065, 2.4456



36.2929, 18.6566, 4.0967



16.4772, 19.1111, 48.1675



9.0705, 9.0386, 9.7189



13.8417, 7.1104, 1.7873



0.5086, 0.2589, 0.1719

Previews

White Background



This preview shows how the XYZ color 20.0559, 10.3058, 2.4455 looks on a white background.

Color Contrast Check

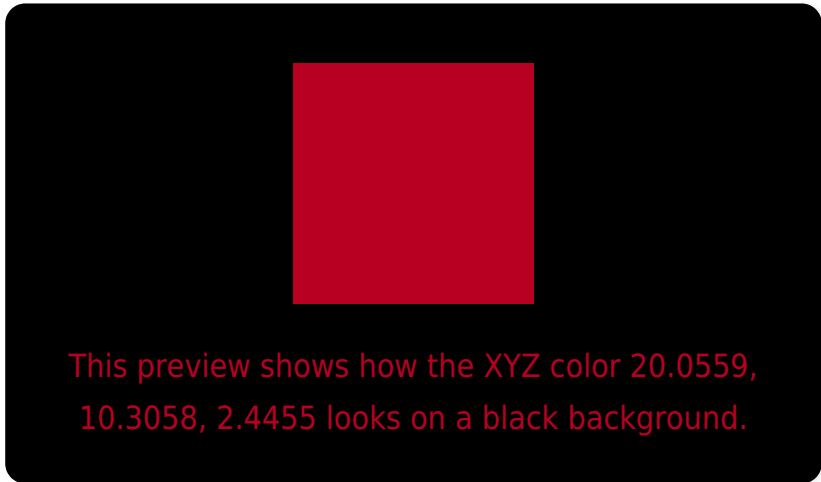
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0559, 10.3058, 2.4455

Background



This preview shows how black text looks on a background with the XYZ color 20.0559, 10.3058, 2.4455.



This preview shows how white text looks on a background with the XYZ color 20.0559, 10.3058,

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

20.0559, 10.3058, 2.4455

Protanopia

10.0364, 10.9105, 4.9451

Deuteranopia

10.9350, 10.8050, 2.0815



Tritanopia

19.7137, 10.4379, 0.9757

Trichromacy



Original Color

20.0559, 10.3058, 2.4455

Protanomaly

11.5728, 8.2307, 3.5635

Deuteranomaly

12.5635, 8.5570, 1.8536

Tritanomaly

19.7033, 10.3109, 1.2995

Monochromacy



Original Color

20.0559, 10.3058, 2.4455

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.9778, 4.5596, 3.5299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0559, 10.3058, 2.4455 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, 0, 34)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 34)  
}
```

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, 0, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 34) }
```

Border

The CSS property to change the border of an element to XYZ 20.0559, 10.3058, 2.4455 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, 0, 34) }
```


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

```
.border{ border-color:rgb(184, 0, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 0, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 34);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 34)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.0559, 10.3058, 2.4455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 34) }
```

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

```
.background{ background-color: rgb(184, 0,  
34) }
```

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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