

Converting Colors

XYZ(20.3865, 10.4270, 4.6857)

Have a look what the booklet for
XYZ(20.3865, 10.4270, 4.6857)
contains.

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Color

**XYZ(20.4810, 10.4759,
4.6840)**

Conversions

Conversions Part 1

Format	Color
Hex	B80038
RGB	184, 0, 56
RGB Percent	72%, 0%, 22%
CMY	0.2784, 0.9999, 0.7804
CMYK	0.00, 1.00, 0.70, 0.28
HSL	342°, 100%, 36%
HSV	342°, 100%, 72%
XYZ	20.4810, 10.4759, 4.6840
YIQ	61.4000, 91.6880, 56.4240

Conversions

Conversions Part 2

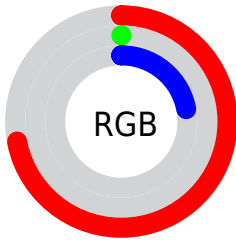
Format	Color
R_{YB}	184, 0, 56
Decimal	12058680
CIE Lab	38.68, 64.06, 24.20
CIE LCh	39, 68.476, 20.699
Yxy	10.4759, 0.5746, 0.2939
Android (android.graphics.Color)	4290248760 (0xFFB80038)
YUV	61.4000, -2.6622, 107.5202
Hunter-Lab	32.3665, 56.3106, 14.0762

Details

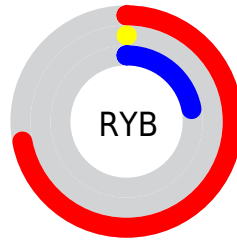
The XYZ color **20.4810, 10.4759, 4.6840** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.0393, 35.8404, 26.2425**, and the grayscale version is **4.4896, 4.7234, 5.1438**.

A 20% lighter version of the original color is **43.8232, 26.7880, 15.6928**, and **8.1123, 4.1721, 0.8297** is the 20% darker color. If you saturate the color by 10%, you get **20.4803, 10.4756, 4.6810**, and if you desaturate by 10%, it is **21.0585, 11.0643, 6.6239**.

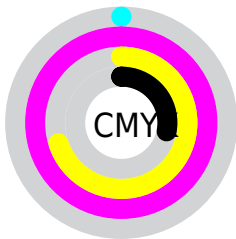
Distribution



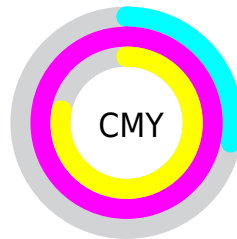
- Red (72%)
- Green (0%)
- Blue (22%)



- Red (72%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4810, 10.4759, 4.6840 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 20.4810, 10.4759, 4.6840 by changing the saturation by 10% instead.


 20.4810, 10.4759,
4.6840


 20.4810, 10.4759,
4.6840


247.2915,
194.0357, 155.5491


 12.8555, 5.7156,
2.0076


 43.7200, 26.6869,
15.5588


 7.4054, 2.6729,
0.5599


 60.0641, 38.9063,
24.5944

 3.7655, 0.9635,
0.0000

 80.0452, 54.3810,
36.5867

 1.5703, 0.0000,
0.0000

 104.0285, 73.4952,
51.9543

 0.3730, 0.0000,
0.0000

 132.3794, 96.6334,
71.1159

 0.0000, 0.0000,
0.0000

 165.4633,

124.1799, 94.4898

203.6456,
156.5192, 122.4947

■ 20.4810, 10.4759,
4.6840

■ 20.4810, 10.4759,
4.6840

■ 20.4803, 10.4756,
4.6810

■ 21.0585, 11.0643,
6.6239

■ 21.9315, 12.1063,
9.0849

■ 23.1831, 13.7604,
12.1199

■ 24.8564, 16.1051,
15.7663

■ 26.9880, 19.2068,
20.0580

■ 29.6107, 23.1243,
25.0258

■ 32.7540, 27.9105,
30.6989

■ 36.4448, 33.6136,
37.1043

■ 40.7086, 40.2785,
44.2676

Harmonies

Analogous

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



21.2110, 10.4759, 15.9133



20.4810, 10.4759, 4.6840



16.5272, 10.4759, 0.9583

Triad

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



20.4810, 10.4759, 4.6840



4.6382, 10.4759, 1.7958



8.6193, 10.4759, 57.7126

Complementary

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



20.4810, 10.4759, 4.6840



21.0393, 35.8404, 26.2425

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.



5.4098, 10.4759, 43.4729



20.4810, 10.4759, 4.6840



3.6137, 10.4759, 7.8427

Square

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



20.4810, 10.4759, 4.6840



7.1939, 10.4759, 0.1845



3.8454, 10.4759, 22.6393



13.3501, 10.4759, 54.0288

Rectangle

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



20.4810, 10.4759, 4.6840



13.1097, 10.4759, 0.1446



3.8454, 10.4759, 22.6393



7.3553, 10.4759, 54.6158

Sweetspot

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



20.4812, 10.4766, 4.6841



59.0552, 50.1037, 55.0828



17.2185, 7.8776, 45.9601



12.1964, 9.9841, 10.9193



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.



20.4812, 10.4766, 4.6841



37.0334, 18.9528, 7.9962



20.3325, 11.3208, 1.1145



9.1141, 9.0560, 9.9482



14.1430, 7.2310, 3.3738



0.5270, 0.2663, 0.2687

Inverse Universe

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



20.4812, 10.4766, 4.6841



37.0334, 18.9528, 7.9962



19.6020, 25.3607, 49.2091



9.1141, 9.0560, 9.9482



14.1430, 7.2310, 3.3738



0.5270, 0.2663, 0.2687

Previews

White Background



This preview shows how the XYZ color 20.4810, 10.4759, 4.6840 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

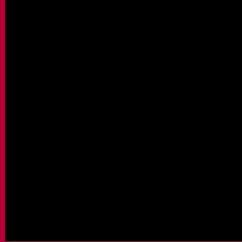
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4810, 10.4759, 4.6840

Background



This preview shows how black text looks on a background with the XYZ color 20.4810, 10.4759, 4.6840.



This preview shows how white text looks on a background with the XYZ color 20.4810, 10.4759,

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

20.4810, 10.4759, 4.6840

Protanopia

10.6010, 11.2266, 9.7918

Deuteranopia

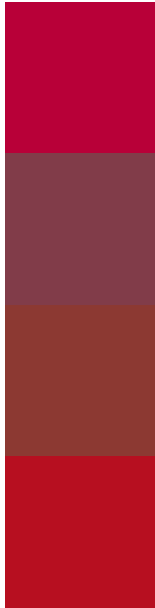
11.1557, 10.9948, 4.2236



Tritanopia

19.9524, 10.7271, 1.6350

Trichromacy



Original Color

20.4810, 10.4759, 4.6840

Protanomaly

11.8717, 8.3799, 7.2951

Deuteranomaly

12.8541, 8.7320, 4.0256

Tritanomaly

19.9600, 10.5132, 2.3437

Monochromacy



Original Color

20.4810, 10.4759, 4.6840

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.4588, 4.8310, 4.6770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4810, 10.4759, 4.6840 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 56) }
```

Border

The CSS property to change the border of an element to XYZ 20.4810, 10.4759, 4.6840 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, 56) }
```


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

```
.border{ border-color:rgb(184, 0, 56) }
```

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, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 56);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 56)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.4810, 10.4759, 4.6840 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, 56) }
```

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

```
.background{ background-color: rgb(184, 0,  
56) }
```

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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