

Converting Colors

XYZ(20.2689, 10.3800, 4.0664)

Have a look what the booklet for
XYZ(20.2689, 10.3800, 4.0664)
contains.

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Color

**XYZ(20.3647, 10.4294,
4.0717)**

Conversions

Conversions Part 1

Format	Color
Hex	B80033
RGB	184, 0, 51
RGB Percent	72%, 0%, 20%
CMY	0.2784, 0.9999, 0.8000
CMYK	0.00, 1.00, 0.72, 0.28
HSL	343°, 100%, 36%
HSV	343°, 100%, 72%
XYZ	20.3647, 10.4294, 4.0717
YIQ	60.8300, 93.2930, 54.8690

Conversions

Conversions Part 2

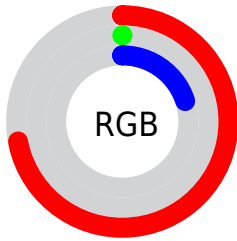
Format	Color
R_{YB}	184, 0, 51
Decimal	12058675
CIE _{Lab}	38.60, 63.84, 27.26
CIE _{LCh}	39, 69.414, 23.124
Yxy	10.4294, 0.5841, 0.2991
Android (android.graphics.Color)	4290248755 (0xFFB80033)
YUV	60.8300, -4.8462, 108.0201
Hunter-Lab	32.2946, 56.0451, 15.1309

Details

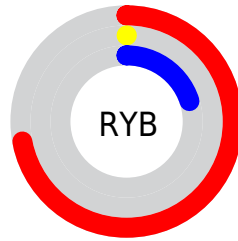
The XYZ color **20.3647, 10.4294, 4.0717** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.3768, 35.9753, 28.0202**, and the grayscale version is **4.4116, 4.6413, 5.0544**.

A 20% lighter version of the original color is **43.4579, 26.5221, 14.1381**, and **8.0644, 4.1529, 0.5776** is the 20% darker color. If you saturate the color by 10%, you get **20.3640, 10.4291, 4.0687**, and if you desaturate by 10%, it is **20.9245, 11.0108, 5.9182**.

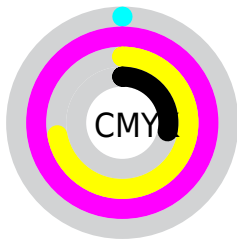
Distribution



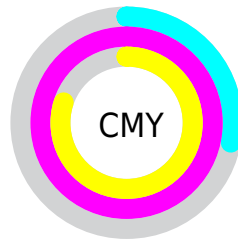
- Red (72%)
- Green (0%)
- Blue (20%)



- Red (72%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3647, 10.4294, 4.0717 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 20.3647, 10.4294, 4.0717 by changing the saturation by 10% instead.


 20.3647, 10.4294,
4.0717


 20.3647, 10.4294,
4.0717


246.6788,
193.7099, 149.0190


 12.7702, 5.6846,
1.6648


 43.5271, 26.6001,
14.1748


 7.3464, 2.6542,
0.3364


 59.8257, 38.7947,
22.7080


 3.7279, 0.9540,
0.0000

 79.7564, 54.2415,
34.1204

 1.5494, 0.0000,
0.0000

 103.6846, 73.3246,
48.8305

 0.3591, 0.0000,
0.0000

 131.9755, 96.4287,
67.2569

 0.0000, 0.0000,
0.0000

 164.9946,

123.9380, 89.8181

203.1073,
156.2369, 116.9326

■ 20.3647, 10.4294,
4.0717

■ 20.3647, 10.4294,
4.0717

■ 20.3640, 10.4291,
4.0687

■ 20.9245, 11.0108,
5.9182

■ 21.7845, 12.0476,
8.3110

■ 23.0288, 13.6988,
11.3071

■ 24.7009, 16.0430,
14.9475

■ 26.8383, 19.1471,
19.2693

■ 29.4742, 23.0700,
24.3066

■ 32.6386, 27.8646,
30.0909

■ 36.3591, 33.5796,
36.6519

■ 40.6613, 40.2600,
44.0175

Harmonies

Analogous

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



21.4193, 10.4294, 14.6362



20.3647, 10.4294, 4.0717



16.1625, 10.4294, 0.7710

Triad

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



20.3647, 10.4294, 4.0717



4.4218, 10.4294, 1.9681



8.8995, 10.4294, 59.0050

Complementary

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



20.3647, 10.4294, 4.0717



21.3768, 35.9753, 28.0202

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.



5.5262, 10.4294, 45.6318



20.3647, 10.4294, 4.0717



3.5059, 10.4294, 8.6064

Square

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



20.3647, 10.4294, 4.0717



6.8518, 10.4294, 0.1901



3.8367, 10.4294, 24.3533



13.7718, 10.4294, 53.6622

Rectangle

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



20.3647, 10.4294, 4.0717



12.6832, 10.4294, 0.0091



3.8367, 10.4294, 24.3533



7.5785, 10.4294, 56.3429

Sweetspot

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



20.3649, 10.4301, 4.0718



58.8433, 50.0190, 53.9674



18.1484, 8.3570, 46.0036



12.1469, 9.9643, 10.6589



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.



20.3649, 10.4301, 4.0718



36.8288, 18.8709, 6.9185



20.5224, 11.7008, 1.1779



9.1041, 9.0520, 9.8957



14.0611, 7.1982, 2.9427



0.5228, 0.2646, 0.2467

Inverse Universe

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



20.3649, 10.4301, 4.0718



36.8288, 18.8709, 6.9185



18.6467, 23.4500, 48.8905



9.1041, 9.0520, 9.8957



14.0611, 7.1982, 2.9427



0.5228, 0.2646, 0.2467

Previews

White Background



This preview shows how the XYZ color 20.3647, 10.4294, 4.0717 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



This preview shows how the XYZ color 20.3647, 10.4294, 4.0717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

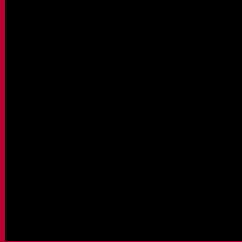
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.3647, 10.4294, 4.0717

Background



This preview shows how black text looks on a background with the XYZ color 20.3647, 10.4294, 4.0717.



This preview shows how white text looks on a background with the XYZ color 20.3647, 10.4294,

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

20.3647, 10.4294, 4.0717

Protanopia

10.3644, 11.0032, 8.4150

Deuteranopia

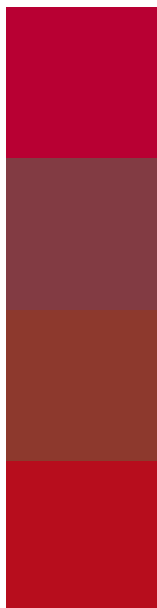
11.1928, 11.0249, 3.7286



Tritanopia

19.8901, 10.6410, 1.4958

Trichromacy



Original Color

20.3647, 10.4294, 4.0717

Protanomaly

11.7830, 8.2790, 6.2872

Deuteranomaly

12.9213, 8.7784, 3.4960

Tritanomaly

19.8941, 10.4438, 2.1297

Monochromacy



Original Color

20.3647, 10.4294, 4.0717

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.4079, 4.8106, 4.4090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3647, 10.4294, 4.0717 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 51) }
```

Border

The CSS property to change the border of an element to XYZ 20.3647, 10.4294, 4.0717 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, 51) }
```


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

```
.border{ border-color:rgb(184, 0, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 51);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 51)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.3647, 10.4294, 4.0717 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, 51) }
```

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

```
.background{ background-color: rgb(184, 0,  
51) }
```

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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