

Converting Colors

XYZ(18.9024, 7.4877, 3.3446)

Have a look what the booklet for
XYZ(18.9024, 7.4877, 3.3446)
contains.

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Color

**XYZ(20.3215, 10.4121,
3.8444)**

Conversions

Conversions Part 1

Format	Color
Hex	B80031
RGB	184, 0, 49
RGB Percent	72%, 0%, 19%
CMY	0.2784, 0.9999, 0.8078
CMYK	0.00, 1.00, 0.73, 0.28
HSL	344°, 100%, 36%
HSV	344°, 100%, 72%
XYZ	20.3215, 10.4121, 3.8444
YIQ	60.6020, 93.9350, 54.2470

Conversions

Conversions Part 2

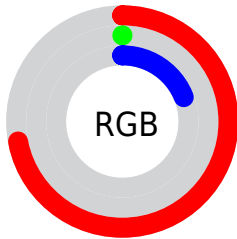
Format	Color
RYB	184, 0, 49
Decimal	12058673
CIELab	38.57, 63.76, 28.48
CIElCh	39, 69.826, 24.069
Yxy	10.4121, 0.5877, 0.3011
Android (android.graphics.Color)	4290248753 (0xFFB80031)
YUV	60.6020, -5.7198, 108.2200
Hunter-Lab	32.2678, 55.9465, 15.5236

Details

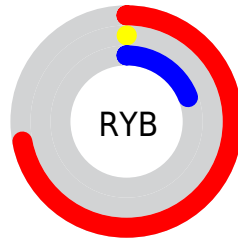
The XYZ color **20.3215, 10.4121, 3.8444** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.5163, 36.0311, 28.7548**, and the grayscale version is **4.3804, 4.6086, 5.0187**.

A 20% lighter version of the original color is **43.3658, 26.4852, 13.6530**, and **8.0480, 4.1463, 0.4910** is the 20% darker color. If you saturate the color by 10%, you get **20.3208, 10.4118, 3.8416**, and if you desaturate by 10%, it is **20.8738, 10.9904, 5.6513**.

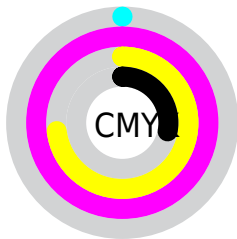
Distribution



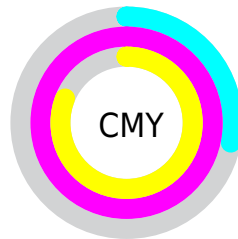
- Red (72%)
- Green (0%)
- Blue (19%)



- Red (72%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (28%)



- Cyan (28%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3215, 10.4121, 3.8444 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 20.3215, 10.4121, 3.8444 by changing the saturation by 10% instead.

■ 20.3215, 10.4121,
3.8444

■ 20.3215, 10.4121,
3.8444

246.4508,
193.5885, 146.4799

■ 12.7386, 5.6730,
1.5404

■ 43.4554, 26.5678,
13.6493

■ 7.3245, 2.6473,
0.2477

■ 59.7371, 38.7532,
21.9872

■ 3.7140, 0.9505,
0.0000

■ 79.6490, 54.1895,
33.1735

■ 1.5416, 0.0000,
0.0000

■ 103.5567, 73.2611,
47.6268

■ 0.3539, 0.0000,
0.0000

■ 131.8253, 96.3525,
65.7655

■ 0.0000, 0.0000,
0.0000

■ 164.8203,

123.8479, 88.0082

202.9070,
156.1318, 114.7735

■ 20.3215, 10.4121,
3.8444

■ 20.3215, 10.4121,
3.8444

■ 20.3208, 10.4118,
3.8416

■ 20.8738, 10.9904,
5.6513

■ 21.7281, 12.0250,
8.0143

■ 22.9689, 13.6748,
10.9922

■ 24.6401, 16.0186,
14.6278

■ 26.7794, 19.1234,
18.9595

■ 29.4202, 23.0482,
24.0225

■ 32.5926, 27.8460,
29.8496

■ 36.3247, 33.5656,
36.4715

■ 40.6420, 40.2519,
43.9171

Harmonies

Analogous

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



21.5055, 10.4121, 14.1504



20.3215, 10.4121, 3.8444



16.0213, 10.4121, 0.6966

Triad

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



20.3215, 10.4121, 3.8444



4.3380, 10.4121, 2.0394



9.0133, 10.4121, 59.5336

Complementary

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



20.3215, 10.4121, 3.8444



21.5163, 36.0311, 28.7548

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.



5.5732, 10.4121, 46.5161



20.3215, 10.4121, 3.8444



3.4639, 10.4121, 8.9237

Square

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



20.3215, 10.4121, 3.8444



6.7197, 10.4121, 0.1921



3.8334, 10.4121, 25.0607



13.9434, 10.4121, 53.5262

Rectangle

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



20.3215, 10.4121, 3.8444



12.5180, 10.4121, 0.0000



3.8334, 10.4121, 25.0607



7.6690, 10.4121, 57.0484

Sweetspot

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



20.3217, 10.4128, 3.8445



58.7595, 49.9854, 53.5257



18.6344, 8.6075, 46.0262



12.1274, 9.9565, 10.5560



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.



20.3217, 10.4128, 3.8445



36.7532, 18.8407, 6.5203



20.6296, 11.9152, 1.2136



9.1002, 9.0504, 9.8748



14.0307, 7.1860, 2.7824



0.5212, 0.2639, 0.2379

Inverse Universe

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



20.3217, 10.4128, 3.8445



36.7532, 18.8407, 6.5203



18.1879, 22.5325, 48.7376



9.1002, 9.0504, 9.8748



14.0307, 7.1860, 2.7824



0.5212, 0.2639, 0.2379

Previews

White Background



This preview shows how the XYZ color 20.3215, 10.4121, 3.8444 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 20.3215, 10.4121, 3.8444

Background



This preview shows how black text looks on a background with the XYZ color 20.3215, 10.4121, 3.8444.

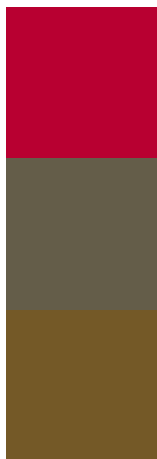


This preview shows how white text looks on a background with the XYZ color 20.3215, 10.4121,

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

20.3215, 10.4121, 3.8444

Protanopia

10.3725, 11.0191, 7.8835

Deuteranopia

11.1410, 11.0042, 3.4563



Tritanopia

19.8579, 10.5993, 1.4147

Trichromacy



Original Color

20.3215, 10.4121, 3.8444

Protanomaly

11.8495, 8.3234, 5.8325

Deuteranomaly

12.8837, 8.7634, 3.2980

Tritanomaly

19.8702, 10.4343, 2.0036

Monochromacy



Original Color

20.3215, 10.4121, 3.8444

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 20.3215, 10.4121, 3.8444 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 49)  
}
```

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, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 49) }
```

Border

The CSS property to change the border of an element to XYZ 20.3215, 10.4121, 3.8444 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, 49) }
```


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

```
.border{ border-color:rgb(184, 0, 49) }
```

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, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 49)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.3215, 10.4121, 3.8444 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, 49) }
```

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

```
.background{ background-color: rgb(184, 0,  
49) }
```

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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