

Converting Colors

XYZ(20.0500, 10.2924, 2.9141)

Have a look what the booklet for
XYZ(20.0500, 10.2924, 2.9141)
contains.

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Color

**XYZ(20.1502, 10.3435,
2.9420)**

Conversions

Conversions Part 1

Format	Color
Hex	B80028
RGB	184, 0, 40
RGB Percent	72%, 0%, 16%
CMY	0.2784, 0.9999, 0.8431
CMYK	0.00, 1.00, 0.78, 0.28
HSL	347°, 100%, 36%
HSV	347°, 100%, 72%
XYZ	20.1502, 10.3435, 2.9420
YIQ	59.5760, 96.8240, 51.4480

Conversions

Conversions Part 2

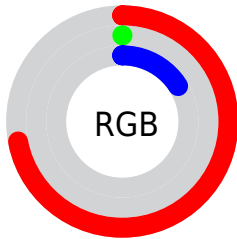
Format	Color
RYB	184, 0, 40
Decimal	12058664
CIELab	38.45, 63.43, 33.87
CIELCh	38, 71.906, 28.099
Yxy	10.3435, 0.6027, 0.3094
Android (android.graphics.Color)	4290248744 (0xFFB80028)
YUV	59.5760, -9.6510, 109.1198
Hunter-Lab	32.1613, 55.5543, 17.0893

Details

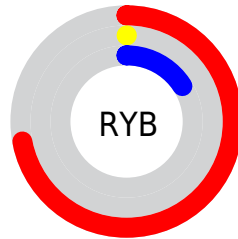
The XYZ color **20.1502, 10.3435, 2.9420** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **22.1770, 36.2955, 32.2339**, and the grayscale version is **4.2419, 4.4628, 4.8600**.

A 20% lighter version of the original color is **43.2935, 26.4972, 11.4270**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **20.1497, 10.3434, 2.9399**, and if you desaturate by 10%, it is **20.6658, 10.9071, 4.5559**.

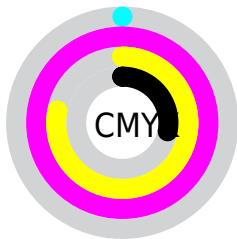
Distribution



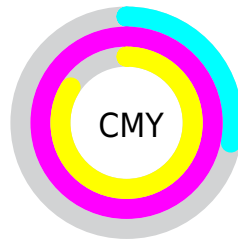
- Red (72%)
- Green (0%)
- Blue (16%)



- Red (72%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1502, 10.3435, 2.9420 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 20.1502, 10.3435, 2.9420 by changing the saturation by 10% instead.


 20.1502, 10.3435,
2.9420


 20.1502, 10.3435,
2.9420


245.5452,
193.1064, 135.6185


 12.6132, 5.6273,
1.0651


 43.1709, 26.4396,
11.4850


 7.2379, 2.6198,
0.0000


 59.3853, 38.5883,
18.9881


 3.6590, 0.9366,
0.0000

 79.2228, 53.9833,
29.2038

 1.5111, 0.0000,
0.0000

 103.0488, 73.0090,
42.5505

 0.3333, 0.0000,
0.0000

 131.2287, 96.0497,
59.4468

 0.0000, 0.0000,
0.0000

 164.1278,

123.4900, 80.3111

202.1115,
155.7141, 105.5622

20.1502, 10.3435,
2.9420

20.1502, 10.3435,
2.9420

20.1497, 10.3434,
2.9399

20.6658, 10.9071,
4.5559

21.4915, 11.9301,
6.7686

22.7136, 13.5723,
9.6483

24.3774, 15.9130,
13.2456

26.5221, 19.0198,
17.6060

■ 29.1822, 22.9522,
22.7712

■ 32.3890, 27.7636,
28.7795

■ 36.1713, 33.5031,
35.6670

■ 40.5559, 40.2161,
43.4673

Harmonies

Analogous

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



21.9095, 10.3435, 12.1426



20.1502, 10.3435, 2.9420



15.4209, 10.3435, 0.3671

Triad

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



20.1502, 10.3435, 2.9420



3.9823, 10.3435, 2.3754



9.5345, 10.3435, 61.9765

Complementary

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



20.1502, 10.3435, 2.9420



22.1770, 36.2955, 32.2339

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.



5.7876, 10.3435, 50.6135



20.1502, 10.3435, 2.9420



3.2833, 10.3435, 10.4257

Square

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



20.1502, 10.3435, 2.9420



6.1599, 10.3435, 0.2003



3.8205, 10.3435, 28.3767



14.7308, 10.3435, 52.9870

Rectangle

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



20.1502, 10.3435, 2.9420



11.8147, 10.3435, 0.0000



3.8205, 10.3435, 28.3767



8.0831, 10.3435, 60.3025

Sweetspot

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



20.1504, 10.3442, 2.9421



58.3877, 49.8367, 51.5680



19.6490, 9.1305, 46.0740



12.0410, 9.9219, 10.1011



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.



20.1504, 10.3442, 2.9421



36.4550, 18.7215, 4.9504



20.8693, 12.3944, 1.2933



9.0824, 9.0433, 9.7811



13.9092, 7.1374, 2.1426



0.5136, 0.2609, 0.1983

Inverse Universe

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



20.1504, 10.3442, 2.9421



36.4550, 18.7215, 4.9504



17.3078, 20.7724, 48.4445



9.0824, 9.0433, 9.7811



13.9092, 7.1374, 2.1426



0.5136, 0.2609, 0.1983

Previews

White Background



This preview shows how the XYZ color 20.1502, 10.3435, 2.9420 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 20.1502, 10.3435, 2.9420

Background



This preview shows how black text looks on a background with the XYZ color 20.1502, 10.3435, 2.9420.



This preview shows how white text looks on a background with the XYZ color 20.1502, 10.3435,

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

20.1502, 10.3435, 2.9420

Protanopia

10.1235, 10.9323, 5.9915

Deuteranopia

11.1181, 11.0105, 2.6379



Tritanopia

20.0005, 10.6044, 1.1650

Trichromacy



Original Color

20.1502, 10.3435, 2.9420

Protanomaly

11.5666, 8.2103, 4.3433

Deuteranomaly

12.7083, 8.6933, 2.3747

Tritanomaly

19.9960, 10.4734, 1.5399

Monochromacy



Original Color

20.1502, 10.3435, 2.9420

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.1614, 4.6465, 3.8876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1502, 10.3435, 2.9420 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 40) }
```

Border

The CSS property to change the border of an element to XYZ 20.1502, 10.3435, 2.9420 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, 40) }
```


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

```
.border{ border-color:rgb(184, 0, 40) }
```

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, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 40)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.1502, 10.3435, 2.9420 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, 40) }
```

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

```
.background{ background-color: rgb(184, 0,  
40) }
```

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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