

Converting Colors

XYZ(20.4898, 10.8659, 3.0908)

Have a look what the booklet for
XYZ(20.4898, 10.8659, 3.0908)
contains.

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Color

**XYZ(20.4003, 10.8162,
3.1103)**

Conversions

Conversions Part 1

Format	Color
Hex	B81329
RGB	184, 19, 41
RGB Percent	72%, 7%, 16%
CMY	0.2784, 0.9254, 0.8392
CMYK	0.00, 0.90, 0.78, 0.28
HSL	352°, 81%, 40%
HSV	352°, 90%, 72%
XYZ	20.4003, 10.8162, 3.1103
YIQ	70.8430, 91.2780, 41.8220

Conversions

Conversions Part 2

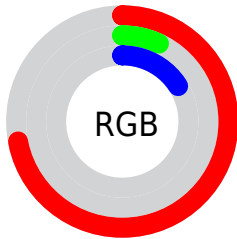
Format	Color
RYB	184, 19, 41
Decimal	12063529
CIELab	39.27, 61.14, 34.15
CIElCh	39, 70.030, 29.190
Yxy	10.8162, 0.5943, 0.3151
Android (android.graphics.Color)	4290253609 (0xFFB81329)
YUV	70.8430, -14.7126, 99.2387
Hunter-Lab	32.8880, 53.1689, 17.4144

Details

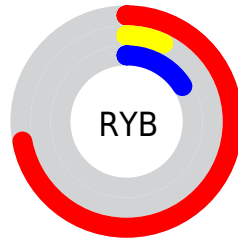
The XYZ color **20.4003, 10.8162, 3.1103** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **23.9329, 37.0289, 40.0784**, and the grayscale version is **5.9778, 6.2891, 6.8488**.

A 20% lighter version of the original color is **43.4863, 27.2787, 11.9902**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **19.9498, 10.2742, 1.8542**, and if you desaturate by 10%, it is **21.1791, 11.8347, 5.0323**.

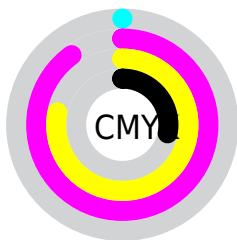
Distribution



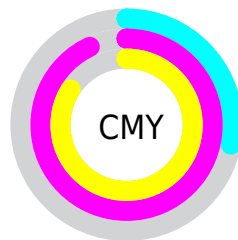
- Red (72%)
- Green (7%)
- Blue (16%)



- Red (72%)
- Yellow (7%)
- Blue (16%)



- Cyan (0%)
- Magenta (90%)
- Yellow (78%)
- Black (28%)




- Cyan (28%)
- Magenta (93%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4003, 10.8162, 3.1103 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 20.4003, 10.8162, 3.1103 by changing the saturation by 10% instead.

 20.4003, 10.8162,
3.1103


 20.4003, 10.8162,
3.1103


246.8665,
196.4022, 137.7533


 12.7963, 5.9434,
1.1512


 43.5861, 27.3198,
11.8994


 7.3645, 2.8107,
0.0000


 59.8987, 39.7193,
19.5665


 3.7394, 1.0337,
0.0000

 79.8448, 55.3966,
29.9734

 1.5558, 0.0000,
0.0000

 103.7899, 74.7359,
43.5386

 0.3633, 0.0000,
0.0000

 132.0992, 98.1218,
60.6807

 0.0000, 0.0000,
0.0000

 165.1382,

125.9385, 81.8181

203.2722,
158.5705, 107.3695

20.4003, 10.8162,
3.1103

20.4003, 10.8162,
3.1103

19.9498, 10.2742,
1.8542

21.1791, 11.8347,
5.0323

19.9373, 10.2584,
1.8216

22.3718, 13.4811,
7.7085

24.0274, 15.8362,
11.2077

26.1876, 18.9685,
15.5905

28.8894, 22.9381,
20.9117

■ 32.1663, 27.7995,
27.2219

■ 36.0492, 33.6023,
34.5678

■ 40.5666, 40.3926,
42.9931

■ 45.7453, 48.2135,
52.5392

Harmonies

Analogous

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



22.2714, 10.8162, 12.1481



20.4003, 10.8162, 3.1103



15.6584, 10.8162, 0.5285

Triad

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



20.4003, 10.8162, 3.1103



4.2943, 10.8162, 2.8557



10.1528, 10.8162, 61.4900

Complementary

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



20.4003, 10.8162, 3.1103



23.9329, 37.0289, 40.0784

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.



6.3009, 10.8162, 51.1144



20.4003, 10.8162, 3.1103



3.6187, 10.8162, 11.4136

Square

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



20.4003, 10.8162, 3.1103



6.4625, 10.8162, 0.4592



4.2231, 10.8162, 29.5209



15.3662, 10.8162, 52.0978

Rectangle

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



20.4003, 10.8162, 3.1103



12.0764, 10.8162, 0.0000



4.2231, 10.8162, 29.5209



8.6721, 10.8162, 60.1213

Sweetspot

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



20.4005, 10.8169, 3.1105



59.7698, 52.5694, 52.1260



23.7857, 11.6088, 46.3342



12.4088, 10.6232, 10.3294



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.



20.4005, 10.8169, 3.1105



36.0932, 18.5767, 3.0450



22.7180, 15.9038, 2.4894



9.0520, 9.0312, 9.6214



13.7562, 7.0762, 1.3368



0.5007, 0.2558, 0.1303

Inverse Universe

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



20.4005, 10.8169, 3.1105



36.0932, 18.5767, 3.0450



16.0668, 17.8916, 47.9538



9.0520, 9.0312, 9.6214



13.7562, 7.0762, 1.3368



0.5007, 0.2558, 0.1303

Previews

White Background



This preview shows how the XYZ color 20.4003, 10.8162, 3.1103 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 20.4003, 10.8162, 3.1103

Background



This preview shows how black text looks on a background with the XYZ color 20.4003, 10.8162, 3.1103.



This preview shows how white text looks on a background with the XYZ color 20.4003, 10.8162,

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

20.4003, 10.8162, 3.1103

Protanopia

10.3517, 11.1780, 6.1694

Deuteranopia

11.2654, 11.0850, 2.7083



Tritanopia

20.2201, 10.8941, 1.6989

Trichromacy



Original Color

20.4003, 10.8162, 3.1103

Protanomaly

12.1887, 9.1862, 4.6207

Deuteranomaly

13.2632, 9.5274, 2.5788

Tritanomaly

20.2637, 10.8480, 2.1245

Monochromacy



Original Color

20.4003, 10.8162, 3.1103

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

8.7257, 6.2270, 5.0170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4003, 10.8162, 3.1103 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, 19, 41)` looks like.

```
.text, #text, p{  
    color:rgb(184, 19, 41)  
}
```

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, 19, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 19, 41) }
```

Border

The CSS property to change the border of an element to XYZ 20.4003, 10.8162, 3.1103 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, 19, 41) }
```


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

```
.border{ border-color:rgb(184, 19, 41) }
```

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

Here you see how a box with a 4 pixel rgb(184, 19, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 19, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 19, 41);  
box-shadow:4px 4px 4px 4px rgb(184, 19,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4003, 10.8162, 3.1103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 19, 41) }
```

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

```
.background{ background-color: rgb(184, 19,  
41) }
```

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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