

Converting Colors

XYZ(20.8291, 10.4000, 16.2388)

Have a look what the booklet for
XYZ(20.8291, 10.4000, 16.2388)
contains.

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Color

**XYZ(20.8291, 10.4000,
16.2388)**

Conversions

Conversions Part 1

Format	Color
Hex	B00070
RGB	176, 0, 112
RGB Percent	69%, 0%, 44%
CMY	0.3098, 0.9999, 0.5608
CMYK	0.00, 1.00, 0.36, 0.31
HSL	322°, 100%, 35%
HSV	322°, 100%, 69%
XYZ	20.8291, 10.4000, 16.2388
YIQ	65.3920, 68.9440, 72.1440

Conversions

Conversions Part 2

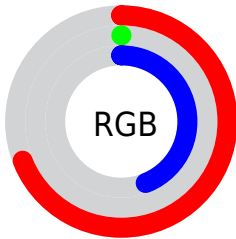
Format	Color
R_{YB}	176, 0, 112
Decimal	11534448
CIE _{Lab}	38.55, 66.32, -12.01
CIE _{LCh}	39, 67.394, 349.736
Yxy	10.4000, 0.4388, 0.2191
Android (android.graphics.Color)	4289724528 (0xFFB00070)
YUV	65.3920, 22.9777, 97.0032
Hunter-Lab	32.2490, 58.8543, -7.2808

Details

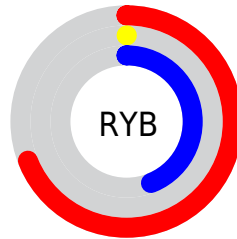
The XYZ color **20.8291, 10.4000, 16.2388** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **16.4519, 31.4213, 10.0527**, and the grayscale version is **5.0454, 5.3082, 5.7806**.

A 20% lighter version of the original color is **44.3102, 26.5478, 37.9108**, and **8.3966, 4.2217, 5.2228** is the 20% darker color. If you saturate the color by 10%, you get **20.8285, 10.3997, 16.2356**, and if you desaturate by 10%, it is **21.4087, 10.9684, 18.2536**.

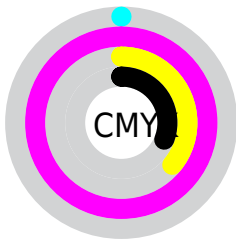
Distribution



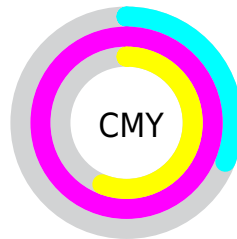
- Red (69%)
- Green (0%)
- Blue (44%)



- Red (69%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (31%)



- Cyan (31%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8291, 10.4000, 16.2388 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 20.8291, 10.4000, 16.2388 by changing the saturation by 10% instead.

■ 20.8291, 10.4000,
16.2388

■ 20.8291, 10.4000,
16.2388

249.1178,
193.5036, 242.6404

■ 13.1109, 5.6650,
9.5371

■ 44.2964, 26.5452,
37.7848

■ 7.5825, 2.6424,
4.9916

■ 60.7761, 38.7241,
53.4662

■ 3.8785, 0.9481,
2.1837

■ 80.9071, 54.1532,
72.9780

■ 1.6336, 0.0000,
0.6649

■ 105.0546, 73.2167,
96.7386

■ 0.4142, 0.0000,
0.0000

■ 133.5841, 96.2991,
125.1666

■ 0.0000, 0.0000,
0.0000

■ 166.8609,

123.7848, 158.6805

205.2504,
156.0582, 197.6989

■ 20.8291, 10.4000,
16.2388

■ 20.8291, 10.4000,
16.2388

■ 20.8285, 10.3997,
16.2356

■ 21.4087, 10.9684,
18.2536

■ 22.2013, 11.9213,
20.4668

■ 23.2803, 13.4050,
22.9055

■ 24.6804, 15.4879,
25.5835

■ 26.4311, 18.2282,
28.5131

■ 28.5583, 21.6772,
31.7050

■ 31.0853, 25.8809,
35.1694

■ 34.0338, 30.8816,
38.9154

■ 37.4236, 36.7183,
42.9518

Harmonies

Analogous

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



17.8927, 10.4000, 35.4676



20.8291, 10.4000, 16.2388



20.2378, 10.4000, 4.9324

Triad

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



20.8291, 10.4000, 16.2388



7.2835, 10.4000, 0.2120



5.3462, 10.4000, 41.9063

Complementary

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



20.8291, 10.4000, 16.2388



16.4519, 31.4213, 10.0527

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.



3.8488, 10.4000, 21.6932



20.8291, 10.4000, 16.2388



4.7142, 10.4000, 1.7524

Square

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



20.8291, 10.4000, 16.2388



11.4781, 10.4000, 0.0106



3.6583, 10.4000, 7.5165



8.4464, 10.4000, 56.1347

Rectangle

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



20.8291, 10.4000, 16.2388



17.9677, 10.4000, 1.8024



3.6583, 10.4000, 7.5165



4.6835, 10.4000, 35.1006

Sweetspot

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



20.8294, 10.4006, 16.2390



56.1110, 46.4897, 63.4321



9.7996, 4.1471, 41.3581



11.7359, 9.3658, 13.1763



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.8294, 10.4006, 16.2390



37.6636, 18.8167, 28.8539



18.0960, 9.3072, 1.8451



8.7162, 8.5932, 10.0042



15.3111, 7.6420, 12.0642



0.5086, 0.2512, 0.5208

Inverse Universe

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



20.8294, 10.4006, 16.2390



37.6636, 18.8167, 28.8539



20.9989, 33.2401, 33.9966



8.7162, 8.5932, 10.0042



15.3111, 7.6420, 12.0642



0.5086, 0.2512, 0.5208

Previews

White Background



This preview shows how the XYZ color 20.8291, 10.4000, 16.2388 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 20.8291, 10.4000, 16.2388

Background



This preview shows how black text looks on a background with the XYZ color 20.8291, 10.4000, 16.2388.



This preview shows how white text looks on a background with the XYZ color 20.8291, 10.4000,

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

20.8291, 10.4000, 16.2388

Protanopia

12.1361, 11.0770, 34.7561

Deuteranopia

11.2768, 11.0783, 14.6407



Tritanopia

18.4071, 10.7693, 3.6933

Trichromacy



Original Color

20.8291, 10.4000, 16.2388

Protanomaly

12.1799, 7.9523, 26.8796

Deuteranomaly

12.7711, 8.5233, 14.8820

Tritanomaly

18.7543, 10.1569, 6.7664

Monochromacy



Original Color

20.8291, 10.4000, 16.2388

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.1416, 5.1983, 8.5569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8291, 10.4000, 16.2388 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(176, 0, 112)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 112)  
}
```

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(176, 0, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 112) }
```

Border

The CSS property to change the border of an element to XYZ 20.8291, 10.4000, 16.2388 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(176, 0, 112) }
```


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

```
.border{ border-color:rgb(176, 0, 112) }
```

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

Here you see how a box with a 4 pixel rgb(176, 0, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 112);  
box-shadow:4px 4px 4px 4px rgb(176, 0,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8291, 10.4000, 16.2388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 112) }
```

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

```
.background{ background-color: rgb(176, 0,  
112) }
```

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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