

Converting Colors

XYZ(20.0532, 10.0883, 12.2121)

Have a look what the booklet for
XYZ(20.0532, 10.0883, 12.2121)
contains.

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Color

**XYZ(20.0622, 10.0932,
12.2000)**

Conversions

Conversions Part 1

Format	Color
Hex	B00061
RGB	176, 0, 97
RGB Percent	69%, 0%, 38%
CMY	0.3098, 0.9999, 0.6196
CMYK	0.00, 1.00, 0.45, 0.31
HSL	327°, 100%, 35%
HSV	327°, 100%, 69%
XYZ	20.0622, 10.0932, 12.2000
YIQ	63.6820, 73.7590, 67.4790

Conversions

Conversions Part 2

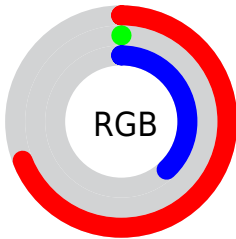
Format	Color
R_{YB}	176, 0, 97
Decimal	11534433
CIE _{Lab}	38.01, 64.90, -3.30
CIE _{LCh}	38, 64.989, 357.090
Yxy	10.0932, 0.4737, 0.2383
Android (android.graphics.Color)	4289724513 (0xFFB00061)
YUV	63.6820, 16.4258, 98.5029
Hunter-Lab	31.7698, 57.1232, -0.5292

Details

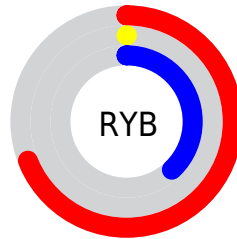
The XYZ color **20.0622, 10.0932, 12.2000** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **16.9380, 31.6158, 12.6123**, and the grayscale version is **4.7966, 5.0464, 5.4955**.

A 20% lighter version of the original color is **42.8010, 25.8243, 30.3325**, and **7.9337, 4.0209, 3.4899** is the 20% darker color. If you saturate the color by 10%, you get **20.0616, 10.0929, 12.1969**, and if you desaturate by 10%, it is **20.6596, 10.6687, 14.3084**.

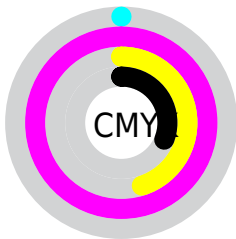
Distribution



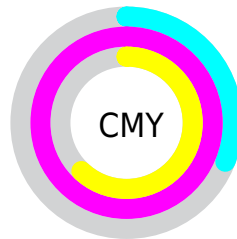
- Red (69%)
- Green (0%)
- Blue (38%)



- Red (69%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0622, 10.0932, 12.2000 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 20.0622, 10.0932, 12.2000 by changing the saturation by 10% instead.


 20.0622, 10.0932,
12.2000


 20.0622, 10.0932,
12.2000


245.0788,
191.3360, 216.7496


 12.5488, 5.4608,
6.7558


 43.0246, 25.9707,
30.5287

 7.1934, 2.5201,
3.2338


 59.2043, 37.9845,
44.2503


 3.6308, 0.8867,
1.2152

 79.0034, 53.2276,
61.5681

 1.4954, 0.0000,
0.0000

 102.7874, 72.0844,
82.9007

 0.3227, 0.0000,
0.0000

 130.9216, 94.9392,
108.6666

 0.0000, 0.0000,
0.0000

 163.7713,

122.1765, 139.2844

201.7019,
154.1806, 175.1725

■ 20.0622, 10.0932,
12.2000

■ 20.0622, 10.0932,
12.2000

■ 20.0616, 10.0929,
12.1969

■ 20.6596, 10.6687,
14.3084

■ 21.4818, 11.6335,
16.6778

■ 22.6028, 13.1339,
19.3379

■ 24.0578, 15.2387,
22.3049

■ 25.8766, 18.0062,
25.5934

■ 28.0856, 21.4878,
29.2165

■ 30.7087, 25.7299,
33.1864

■ 33.7677, 30.7747,
37.5146

■ 37.2828, 36.6615,
42.2116

Harmonies

Analogous

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



18.0425, 10.0932, 28.8313



20.0622, 10.0932, 12.2000



18.6712, 10.0932, 3.4890

Triad

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



20.0622, 10.0932, 12.2000



6.3800, 10.0932, 0.5365



5.8567, 10.0932, 43.8352

Complementary

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



20.0622, 10.0932, 12.2000



16.9380, 31.6158, 12.6123

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.



4.0709, 10.0932, 25.1508



20.0622, 10.0932, 12.2000



4.3056, 10.0932, 2.6294

Square

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



20.0622, 10.0932, 12.2000



10.0070, 10.0932, 0.0439



3.5986, 10.0932, 9.8624



9.1911, 10.0932, 53.7082

Rectangle

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



20.0622, 10.0932, 12.2000



16.1691, 10.0932, 1.2838



3.5986, 10.0932, 9.8624



5.0969, 10.0932, 37.9246

Sweetspot

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



20.0625, 10.0938, 12.2002



55.4180, 46.2125, 59.7831



10.8398, 4.6833, 41.4070



11.5697, 9.2993, 12.3009



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.



20.0625, 10.0938, 12.2002



36.2691, 18.2589, 21.5105



17.9697, 9.2567, 1.1798



8.6857, 8.5810, 9.8436



14.7494, 7.4173, 9.1062



0.4930, 0.2449, 0.4386

Inverse Universe

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



20.0625, 10.0938, 12.2002



36.2691, 18.2589, 21.5105



22.2508, 33.7409, 40.5892



8.6857, 8.5810, 9.8436



14.7494, 7.4173, 9.1062



0.4930, 0.2449, 0.4386

Previews

White Background



This preview shows how the XYZ color 20.0622, 10.0932, 12.2000 looks on a white background.

Color Contrast Check

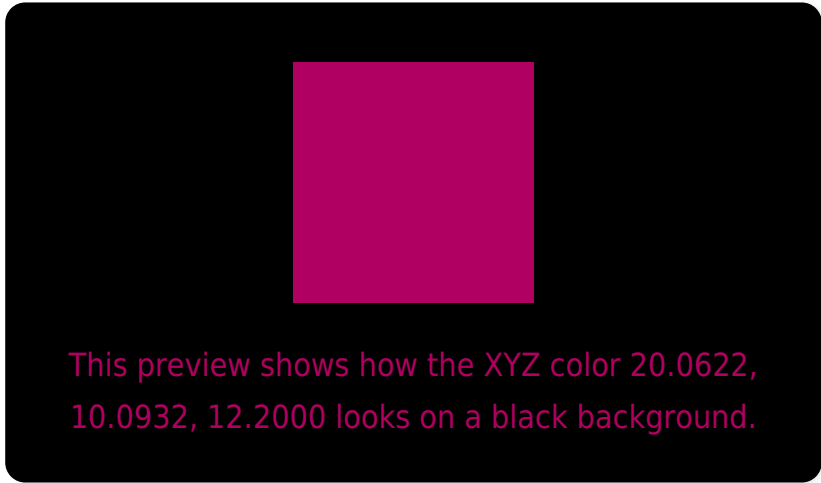
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0622, 10.0932, 12.2000

Background



This preview shows how black text looks on a background with the XYZ color 20.0622, 10.0932, 12.2000.



This preview shows how white text looks on a background with the XYZ color 20.0622, 10.0932,

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

20.0622, 10.0932, 12.2000

Protanopia

11.3764, 10.8715, 26.3097

Deuteranopia

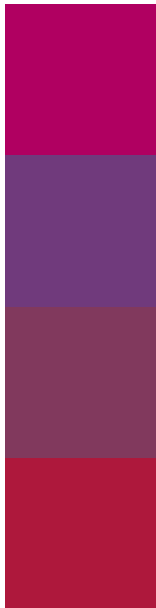
10.8973, 10.7077, 11.1653



Tritanopia

18.2929, 10.4169, 2.9660

Trichromacy



Original Color

20.0622, 10.0932, 12.2000

Protanomaly

11.8332, 7.9261, 19.9750

Deuteranomaly

12.4922, 8.3837, 11.3157

Tritanomaly

18.5978, 9.9782, 5.2207

Monochromacy



Original Color

20.0622, 10.0932, 12.2000

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.9231, 5.1109, 7.4064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0622, 10.0932, 12.2000 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 97) }
```

Border

The CSS property to change the border of an element to XYZ 20.0622, 10.0932, 12.2000 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, 97) }
```


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

```
.border{ border-color:rgb(176, 0, 97) }
```

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, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 97);  
box-shadow:4px 4px 4px 4px rgb(176, 0, 97)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.0622, 10.0932, 12.2000 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, 97) }
```

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

```
.background{ background-color: rgb(176, 0,  
97) }
```

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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