

Converting Colors

XYZ(20.4299, 10.3747, 8.0654)

Have a look what the booklet for
XYZ(20.4299, 10.3747, 8.0654)
contains.

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Color

**XYZ(20.4312, 10.3738,
8.1332)**

Conversions

Conversions Part 1

Format	Color
Hex	B5004E
RGB	181, 0, 78
RGB Percent	71%, 0%, 31%
CMY	0.2902, 0.9999, 0.6941
CMYK	0.00, 1.00, 0.57, 0.29
HSL	334°, 100%, 35%
HSV	334°, 100%, 71%
XYZ	20.4312, 10.3738, 8.1332
YIQ	63.0110, 82.8380, 62.6300

Conversions

Conversions Part 2

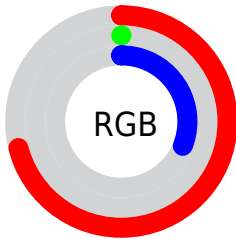
Format	Color
RYB	181, 0, 78
Decimal	11862094
CIELab	38.51, 64.58, 9.74
CIELCh	39, 65.312, 8.581
Yxy	10.3738, 0.5247, 0.2664
Android (android.graphics.Color)	4290052174 (0xFFB5004E)
YUV	63.0110, 7.3896, 103.4764
Hunter-Lab	32.2084, 56.8658, 7.5741

Details

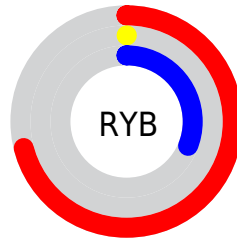
The XYZ color **20.4312, 10.3738, 8.1332** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **18.9739, 34.0277, 18.4077**, and the grayscale version is **4.7096, 4.9548, 5.3958**.

A 20% lighter version of the original color is **43.8102, 26.6216, 22.9081**, and **8.1885, 4.1863, 1.9666** is the 20% darker color. If you saturate the color by 10%, you get **20.4305, 10.3735, 8.1300**, and if you desaturate by 10%, it is **21.0484, 10.9702, 10.3063**.

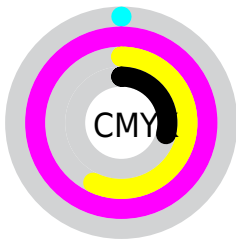
Distribution



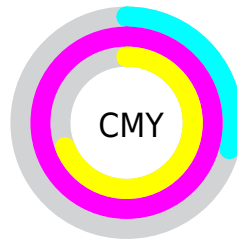
- Red (71%)
- Green (0%)
- Blue (31%)



- Red (71%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4312, 10.3738, 8.1332 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 20.4312, 10.3738, 8.1332 by changing the saturation by 10% instead.


 20.4312, 10.3738,
8.1332


 20.4312, 10.3738,
8.1332


247.0293,
193.3195, 186.7465


 12.8190, 5.6475,
4.0913


 43.6374, 26.4962,
22.7696


 7.3801, 2.6319,
1.6756


 59.9621, 38.6612,
34.2012


 3.7494, 0.9427,
0.3439

 79.9216, 54.0744,
48.9332

 1.5614, 0.0000,
0.0000

 103.8813, 73.1204,
67.3840

 0.3670, 0.0000,
0.0000

 132.2066, 96.1835,
89.9721

 0.0000, 0.0000,
0.0000

 165.2628,

123.6482, 117.1163

203.4152,
155.8987, 149.2349

■ 20.4312, 10.3738,
8.1332

■ 20.4312, 10.3738,
8.1332

■ 20.4305, 10.3735,
8.1300

■ 21.0484, 10.9702,
10.3063

■ 21.9271, 11.9927,
12.8644

■ 23.1458, 13.5950,
15.8454

■ 24.7435, 15.8511,
19.2734

■ 26.7533, 18.8243,
23.1699

■ 29.2049, 22.5700,
27.5548

■ 32.1245, 27.1384,
32.4465

■ 35.5368, 32.5751,
37.8623

■ 39.4643, 38.9226,
43.8187

Harmonies

Analogous

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



19.6674, 10.3738, 22.2633



20.4312, 10.3738, 8.1332



17.7866, 10.3738, 2.0544

Triad

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



20.4312, 10.3738, 8.1332



5.5695, 10.3738, 1.0759



7.1515, 10.3738, 50.4638

Complementary

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



20.4312, 10.3738, 8.1332



18.9739, 34.0277, 18.4077

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.



4.7274, 10.3738, 33.2671



20.4312, 10.3738, 8.1332



4.0150, 10.3738, 4.6930

Square

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



20.4312, 10.3738, 8.1332



8.6832, 10.3738, 0.1263



3.7591, 10.3738, 15.1862



11.1385, 10.3738, 54.2520

Rectangle

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



20.4312, 10.3738, 8.1332



14.7980, 10.3738, 0.7447



3.7591, 10.3738, 15.1862



6.1645, 10.3738, 45.6695

Sweetspot

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



20.4315, 10.3744, 8.1334



57.2426, 48.1434, 57.6348



13.8862, 6.1956, 44.1799



11.8850, 9.6397, 11.6520



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.4315, 10.3744, 8.1334



36.4817, 18.5352, 13.9864



19.1888, 10.0890, 0.9369



8.6433, 8.5640, 9.6200



14.1179, 7.1647, 5.7806



0.4737, 0.2372, 0.3370

Inverse Universe

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



20.4315, 10.3744, 8.1334



36.4817, 18.5352, 13.9864



22.5167, 31.6882, 48.6456



8.6433, 8.5640, 9.6200



14.1179, 7.1647, 5.7806



0.4737, 0.2372, 0.3370

Previews

White Background



This preview shows how the XYZ color 20.4312, 10.3738, 8.1332 looks on a white background.

Color Contrast Check

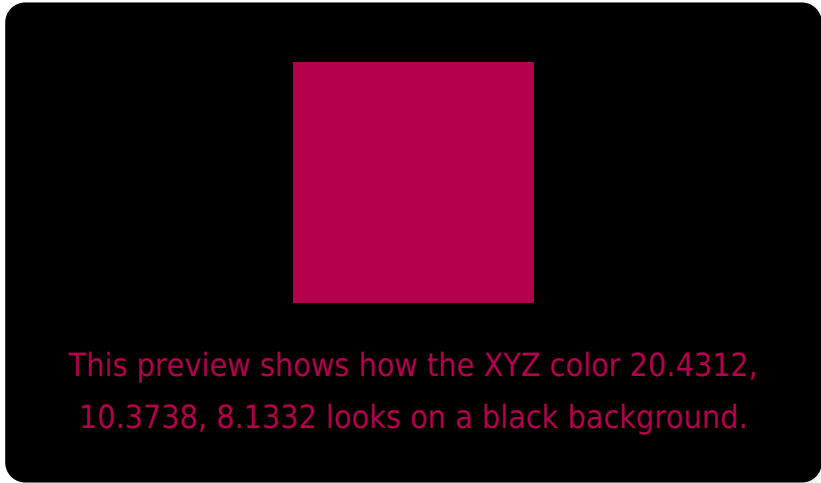
Large Text (above 18pt) WCAG AA ✓ Pass

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

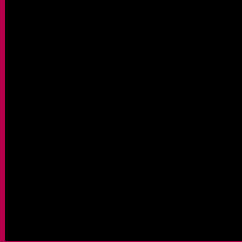
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4312, 10.3738, 8.1332

Background



This preview shows how black text looks on a background with the XYZ color 20.4312, 10.3738, 8.1332.



This preview shows how white text looks on a background with the XYZ color 20.4312, 10.3738,

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

20.4312, 10.3738, 8.1332

Protanopia

11.0148, 11.1448, 17.1934

Deuteranopia

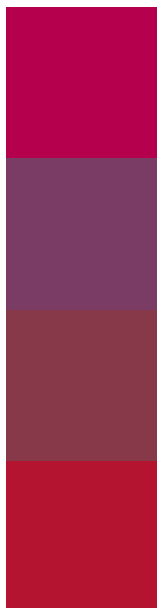
11.1921, 11.0695, 7.3411



Tritanopia

19.3147, 10.6574, 2.2674

Trichromacy



Original Color

20.4312, 10.3738, 8.1332

Protanomaly

11.8903, 8.1856, 13.0099

Deuteranomaly

12.8191, 8.6415, 7.2957

Tritanomaly

19.5856, 10.4088, 3.6662

Monochromacy



Original Color

20.4312, 10.3738, 8.1332

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.7460, 4.9991, 6.0255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4312, 10.3738, 8.1332 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(181, 0, 78)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 78)  
}
```

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(181, 0, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 78) }
```

Border

The CSS property to change the border of an element to XYZ 20.4312, 10.3738, 8.1332 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(181, 0, 78) }
```


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

```
.border{ border-color:rgb(181, 0, 78) }
```

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

Here you see how a box with a 4 pixel rgb(181, 0, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 78);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 78)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.4312, 10.3738, 8.1332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 78) }
```

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

```
.background{ background-color: rgb(181, 0,  
78) }
```

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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