

Converting Colors

XYZ(19.8518, 10.0753, 8.1063)

Have a look what the booklet for
XYZ(19.8518, 10.0753, 8.1063)
contains.

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Color

**XYZ(19.9656, 10.1338,
8.1114)**

Conversions

Conversions Part 1

Format	Color
Hex	B3004E
RGB	179, 0, 78
RGB Percent	70%, 0%, 31%
CMY	0.2980, 0.9999, 0.6941
CMYK	0.00, 1.00, 0.56, 0.30
HSL	334°, 100%, 35%
HSV	334°, 100%, 70%
XYZ	19.9656, 10.1338, 8.1114
YIQ	62.4130, 81.6460, 62.2060

Conversions

Conversions Part 2

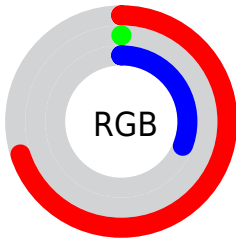
Format	Color
R_{YB}	179, 0, 78
Decimal	11731022
CIE _{Lab}	38.08, 64.11, 9.09
CIE _{LCh}	38, 64.756, 8.069
Yxy	10.1338, 0.5225, 0.2652
Android (android.graphics.Color)	4289921102 (0xFFB3004E)
YUV	62.4130, 7.6844, 102.2468
Hunter-Lab	31.8336, 56.2438, 7.1761

Details

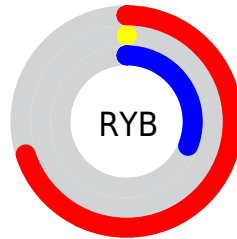
The XYZ color **19.9656, 10.1338, 8.1114** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **18.4709, 33.1805, 17.7508**, and the grayscale version is **4.6219, 4.8626, 5.2954**.

A 20% lighter version of the original color is **42.7084, 25.9424, 22.8351**, and **7.9111, 4.0433, 1.9536** is the 20% darker color. If you saturate the color by 10%, you get **19.9649, 10.1335, 8.1082**, and if you desaturate by 10%, it is **20.5712, 10.7203, 10.2396**.

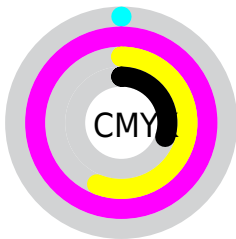
Distribution



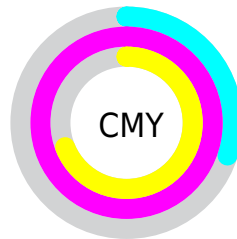
- Red (70%)
- Green (0%)
- Blue (31%)



- Red (70%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.9656, 10.1338, 8.1114 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 19.9656, 10.1338, 8.1114 by changing the saturation by 10% instead.


 19.9656, 10.1338,
8.1114


 19.9656, 10.1338,
8.1114


244.5659,
191.6244, 186.5703


 12.4782, 5.4878,
4.0775


 42.8639, 26.0469,
22.7263


 7.1447, 2.5362,
1.6680


 59.0054, 38.0827,
34.1444


 3.5999, 0.8947,
0.3386

 78.7624, 53.3505,
48.8610

 1.4784, 0.0000,
0.0000

 102.5002, 72.2348,
67.2947

 0.3110, 0.0000,
0.0000

 130.5840, 95.1200,
89.8639

 0.0000, 0.0000,
0.0000

 163.3794,

122.3904, 116.9872

201.2516,
154.4304, 149.0831

■ 19.9656, 10.1338,
8.1114

■ 19.9656, 10.1338,
8.1114

■ 19.9649, 10.1335,
8.1082

■ 20.5712, 10.7203,
10.2396

■ 21.4304, 11.7209,
12.7386

■ 22.6201, 13.2863,
15.6450

■ 24.1782, 15.4885,
18.9818

■ 26.1369, 18.3890,
22.7699

■ 28.5249, 22.0418,
27.0282

■ 31.3678, 26.4955,
31.7743

■ 34.6894, 31.7947,
37.0249

■ 38.5116, 37.9805,
42.7957

Harmonies

Analogous

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



19.1615, 10.1338, 22.0393



19.9656, 10.1338, 8.1114



17.4339, 10.1338, 2.0626

Triad

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



19.9656, 10.1338, 8.1114



5.4817, 10.1338, 1.0275



6.9342, 10.1338, 49.0471

Complementary

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



19.9656, 10.1338, 8.1114



18.4709, 33.1805, 17.7508

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.



4.5938, 10.1338, 32.1456



19.9656, 10.1338, 8.1114



3.9398, 10.1338, 4.4826

Square

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



19.9656, 10.1338, 8.1114



8.5485, 10.1338, 0.1079



3.6699, 10.1338, 14.5857



10.8031, 10.1338, 53.0324

Rectangle

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



19.9656, 10.1338, 8.1114



14.5315, 10.1338, 0.7481



3.6699, 10.1338, 14.5857



5.9797, 10.1338, 44.3024

Sweetspot

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



19.9659, 10.1344, 8.1115



55.8913, 46.9981, 56.4395



13.2242, 5.8779, 43.0853



11.8941, 9.6433, 11.6996



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.



19.9659, 10.1344, 8.1115



35.6485, 18.1056, 13.9520



18.6880, 9.7787, 0.9034



8.6450, 8.5647, 9.6289



14.1397, 7.1734, 5.8955



0.4744, 0.2375, 0.3408

Inverse Universe

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



19.9659, 10.1344, 8.1115



35.6485, 18.1056, 13.9520



22.5214, 32.0236, 47.6419



8.6450, 8.5647, 9.6289



14.1397, 7.1734, 5.8955



0.4744, 0.2375, 0.3408

Previews

White Background



This preview shows how the XYZ color 19.9656, 10.1338, 8.1114 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

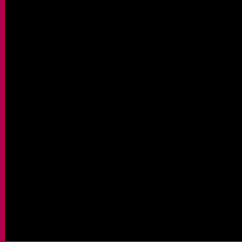
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9656, 10.1338, 8.1114

Background



This preview shows how black text looks on a background with the XYZ color 19.9656, 10.1338, 8.1114.



This preview shows how white text looks on a background with the XYZ color 19.9656, 10.1338,

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

19.9656, 10.1338, 8.1114

Protanopia

10.7383, 10.8728, 17.1555

Deuteranopia

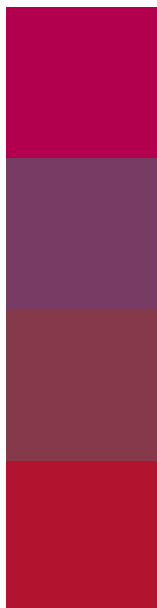
11.0164, 10.8509, 7.4750



Tritanopia

18.8558, 10.4208, 2.2459

Trichromacy



Original Color

19.9656, 10.1338, 8.1114

Protanomaly

11.6099, 8.0411, 12.9968

Deuteranomaly

12.5307, 8.4890, 7.4567

Tritanomaly

19.1233, 10.1705, 3.6445

Monochromacy



Original Color

19.9656, 10.1338, 8.1114

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.5946, 4.8717, 6.0089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9656, 10.1338, 8.1114 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(179, 0, 78)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 0, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 78) }
```

Border

The CSS property to change the border of an element to XYZ 19.9656, 10.1338, 8.1114 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(179, 0, 78) }
```


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

```
.border{ border-color:rgb(179, 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(179, 0, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 78);  
box-shadow:4px 4px 4px 4px rgb(179, 0, 78)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.9656, 10.1338, 8.1114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 0, 78) }
```

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

```
.background{ background-color: rgb(179, 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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