

Converting Colors

XYZ(19.7764, 10.0448, 7.7175)

Have a look what the booklet for
XYZ(19.7764, 10.0448, 7.7175)
contains.

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Color

**XYZ(19.6646, 9.9868,
7.7287)**

Conversions

Conversions Part 1

Format	Color
Hex	B2004C
RGB	178, 0, 76
RGB Percent	70%, 0%, 30%
CMY	0.3020, 0.9999, 0.7020
CMYK	0.00, 1.00, 0.57, 0.30
HSL	334°, 100%, 35%
HSV	334°, 100%, 70%
XYZ	19.6646, 9.9868, 7.7287
YIQ	61.8860, 81.6920, 61.3720

Conversions

Conversions Part 2

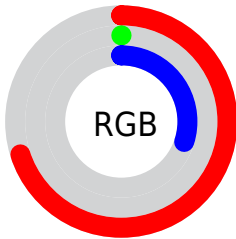
Format	Color
R_{YB}	178, 0, 76
Decimal	11665484
CIE _{Lab}	37.82, 63.75, 9.98
CIE _{LCh}	38, 64.523, 8.899
Yxy	9.9868, 0.5261, 0.2672
Android (android.graphics.Color)	4289855564 (0xFFB2004C)
YUV	61.8860, 6.9582, 101.8320
Hunter-Lab	31.6019, 55.7701, 7.6211

Details

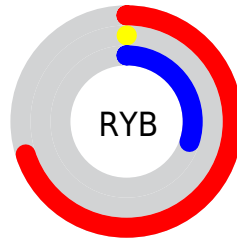
The XYZ color **19.6646, 9.9868, 7.7287** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **18.3205, 32.8007, 17.9439**, and the grayscale version is **4.5468, 4.7835, 5.2093**.

A 20% lighter version of the original color is **42.1771, 25.6908, 21.8046**, and **7.7457, 3.9614, 1.7952** is the 20% darker color. If you saturate the color by 10%, you get **19.6639, 9.9865, 7.7254**, and if you desaturate by 10%, it is **20.2614, 10.5672, 9.8186**.

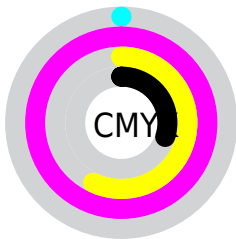
Distribution



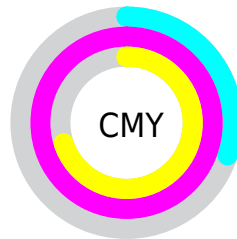
- Red (70%)
- Green (0%)
- Blue (30%)



- Red (70%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (30%)



- Cyan (30%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6646, 9.9868, 7.7287 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 19.6646, 9.9868, 7.7287 by changing the saturation by 10% instead.


 19.6646, 9.9868,
7.7287


 19.6646, 9.9868,
7.7287


242.9619,
190.5778, 183.4427


 12.2583, 5.3902,
3.8366


 42.3624, 25.7707,
21.9622


 6.9933, 2.4780,
1.5361


 58.3846, 37.7267,
33.1406


 3.5042, 0.8656,
0.2446

 78.0095, 52.9048,
47.5849

 1.4257, 0.0000,
0.0000

 101.6025, 71.6891,
65.7135

 0.2744, 0.0000,
0.0000

 129.5288, 94.4642,
87.9451

 0.0000, 0.0000,
0.0000

 162.1540,

121.6144, 114.6981

199.8432,
153.5242, 146.3911

■ 19.6646, 9.9868,
7.7287

■ 19.6646, 9.9868,
7.7287

■ 19.6639, 9.9865,
7.7254

■ 20.2614, 10.5672,
9.8186

■ 21.1097, 11.5565,
12.2821

■ 22.2860, 13.1039,
15.1560

■ 23.8275, 15.2807,
18.4639

■ 25.7663, 18.1474,
22.2265

■ 28.1306, 21.7573,
26.4631

■ 30.9459, 26.1584,
31.1918

■ 34.2356, 31.3948,
36.4292

■ 38.0216, 37.5069,
42.1915

Harmonies

Analogous

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



18.9650, 9.9868, 21.2551



19.6646, 9.9868, 7.7287



17.0869, 9.9868, 1.9441

Triad

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



19.6646, 9.9868, 7.7287



5.3366, 9.9868, 1.0504



6.9167, 9.9868, 48.7346

Complementary

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



19.6646, 9.9868, 7.7287



18.3205, 32.8007, 17.9439

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.



4.5661, 9.9868, 32.2435



19.6646, 9.9868, 7.7287



3.8544, 9.9868, 4.5813

Square

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



19.6646, 9.9868, 7.7287



8.3188, 9.9868, 0.1020



3.6203, 9.9868, 14.7741



10.7709, 9.9868, 52.2060

Rectangle

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



19.6646, 9.9868, 7.7287



14.1994, 9.9868, 0.6961



3.6203, 9.9868, 14.7741



5.9605, 9.9868, 44.1572

Sweetspot

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



19.6648, 9.9874, 7.7288



55.8233, 46.9708, 56.0813



13.3896, 5.9748, 42.5668



11.8776, 9.6367, 11.6127



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.



19.6648, 9.9874, 7.7288



35.5497, 18.0661, 13.4316



18.4904, 9.7254, 0.9035



8.6419, 8.5635, 9.6127



14.1000, 7.1576, 5.6868



0.4731, 0.2370, 0.3339

Inverse Universe

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



19.6648, 9.9874, 7.7288



35.5497, 18.0661, 13.4316



21.6970, 30.5361, 46.8697



8.6419, 8.5635, 9.6127



14.1000, 7.1576, 5.6868



0.4731, 0.2370, 0.3339

Previews

White Background



This preview shows how the XYZ color 19.6646, 9.9868, 7.7287 looks on a white background.

Color Contrast Check

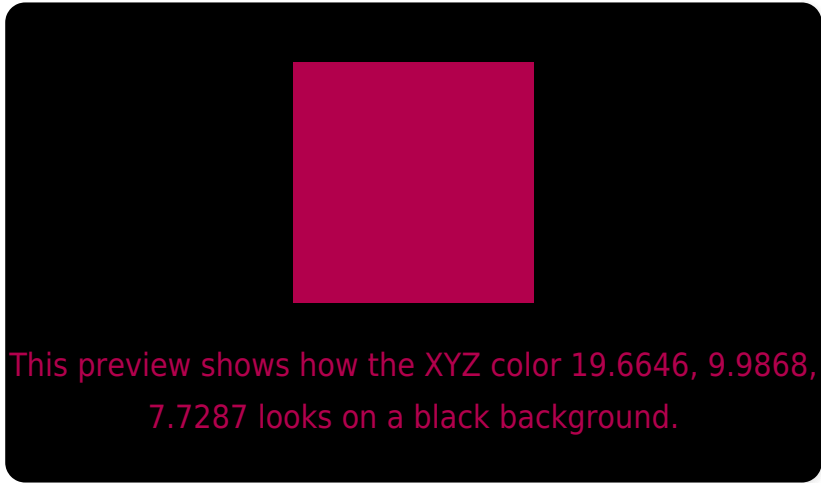
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

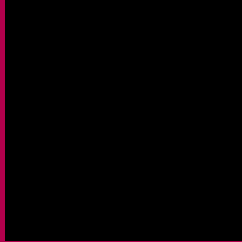
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6646, 9.9868, 7.7287

Background



This preview shows how black text looks on a background with the XYZ color 19.6646, 9.9868, 7.7287.



This preview shows how white text looks on a background with the XYZ color 19.6646, 9.9868,

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

19.6646, 9.9868, 7.7287

Protanopia

10.6348, 10.7046, 16.5446

Deuteranopia

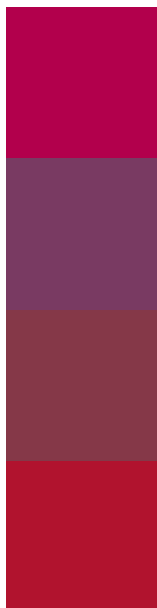
10.7482, 10.5973, 7.1092



Tritanopia

18.5905, 10.2474, 2.1605

Trichromacy



Original Color

19.6646, 9.9868, 7.7287

Protanomaly

11.6028, 7.9729, 12.4827

Deuteranomaly

12.2567, 8.2828, 7.0836

Tritanomaly

18.8575, 10.0101, 3.5230

Monochromacy



Original Color

19.6646, 9.9868, 7.7287

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.4476, 4.7993, 5.8440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6646, 9.9868, 7.7287 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(178, 0, 76)` looks like.

```
.text, #text, p{  
  color:rgb(178, 0, 76)  
}
```

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(178, 0, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 76) }
```

Border

The CSS property to change the border of an element to XYZ 19.6646, 9.9868, 7.7287 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(178, 0, 76) }
```


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

```
.border{ border-color:rgb(178, 0, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 0, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 76);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 76)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.6646, 9.9868, 7.7287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 76) }
```

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

```
.background{ background-color: rgb(178, 0,  
76) }
```

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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