

Converting Colors

XYZ(19.7069, 10.0171, 7.3485)

Have a look what the booklet for
XYZ(19.7069, 10.0171, 7.3485)
contains.

XYZ(19.8264, 10.0781, 7.3789)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.8264, 10.0781,
7.3789)**

Conversions

Conversions Part 1

Format	Color
Hex	B3004A
RGB	179, 0, 74
RGB Percent	70%, 0%, 29%
CMY	0.2980, 0.9999, 0.7098
CMYK	0.00, 1.00, 0.59, 0.30
HSL	335°, 100%, 35%
HSV	335°, 100%, 70%
XYZ	19.8264, 10.0781, 7.3789
YIQ	61.9570, 82.9300, 60.9620

Conversions

Conversions Part 2

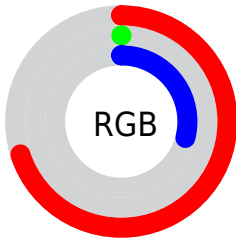
Format	Color
R_{YB}	179, 0, 74
Decimal	11731018
CIE Lab	37.98, 63.85, 11.53
CIE LCh	38, 64.883, 10.238
Yxy	10.0781, 0.5318, 0.2703
Android (android.graphics.Color)	4289921098 (0xFFB3004A)
YUV	61.9570, 5.9372, 102.6467
Hunter-Lab	31.7460, 55.9234, 8.4411

Details

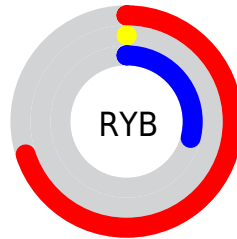
The XYZ color **19.8264, 10.0781, 7.3789** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **18.6717, 33.2607, 18.8084**, and the grayscale version is **4.5582, 4.7956, 5.2224**.

A 20% lighter version of the original color is **42.7309, 25.9908, 21.1769**, and **7.8551, 4.0209, 1.6584** is the 20% darker color. If you saturate the color by 10%, you get **19.8257, 10.0778, 7.3758**, and if you desaturate by 10%, it is **20.4254, 10.6620, 9.4724**.

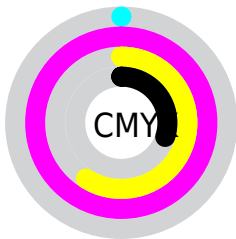
Distribution



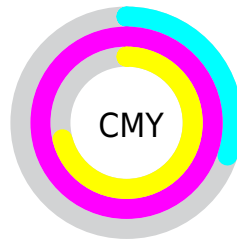
- Red (70%)
- Green (0%)
- Blue (29%)



- Red (70%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8264, 10.0781, 7.3789 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 19.8264, 10.0781, 7.3789 by changing the saturation by 10% instead.


 19.8264, 10.0781,
7.3789


 19.8264, 10.0781,
7.3789

243.8253,
191.2286, 180.5246


 12.3764, 5.4508,
3.6182


 42.6321, 25.9423,
21.2572


 7.0746, 2.5141,
1.4183


 58.7186, 37.9480,
32.2119


 3.5556, 0.8837,
0.1559

 78.4146, 53.1818,
46.4015

 1.4539, 0.0000,
0.0000

 102.0855, 72.0284,
64.2448

 0.2941, 0.0000,
0.0000

 130.0967, 94.8719,
86.1602

 0.0000, 0.0000,
0.0000

 162.8134,

122.0968, 112.5663

200.6012,
154.0876, 143.8816

■ 19.8264, 10.0781,
7.3789

■ 19.8264, 10.0781,
7.3789

■ 19.8257, 10.0778,
7.3758

■ 20.4254, 10.6620,
9.4724

■ 21.2818, 11.6614,
11.9566

■ 22.4728, 13.2273,
14.8699

■ 24.0366, 15.4318,
18.2370

■ 26.0058, 18.3365,
22.0799

■ 28.4090, 21.9954,
26.4191

■ 31.2725, 26.4573,
31.2735

■ 34.6201, 31.7668,
36.6610

■ 38.4739, 37.9652,
42.5984

Harmonies

Analogous

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



19.2724, 10.0781, 20.7054



19.8264, 10.0781, 7.3789



17.0905, 10.0781, 1.8225

Triad

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



19.8264, 10.0781, 7.3789



5.2791, 10.0781, 1.1236



7.1170, 10.0781, 49.8393

Complementary

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



19.8264, 10.0781, 7.3789



18.6717, 33.2607, 18.8084

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.



4.6716, 10.0781, 33.4755



19.8264, 10.0781, 7.3789



3.8436, 10.0781, 4.8991

Square

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



19.8264, 10.0781, 7.3789



8.2241, 10.0781, 0.1144



3.6593, 10.0781, 15.5786



11.0749, 10.0781, 52.5932

Rectangle

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



19.8264, 10.0781, 7.3789



14.1327, 10.0781, 0.6405



3.6593, 10.0781, 15.5786



6.1264, 10.0781, 45.3838

Sweetspot

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



19.8266, 10.0787, 7.3790



55.7189, 46.9291, 55.5316



13.8958, 6.2241, 43.1165



11.8523, 9.6266, 11.4795



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.



19.8266, 10.0787, 7.3790



35.4021, 18.0070, 12.6542



18.7605, 9.9238, 0.9276



8.6371, 8.5616, 9.5877



14.0407, 7.1338, 5.3743



0.4711, 0.2362, 0.3236

Inverse Universe

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



19.8266, 10.0787, 7.3790



35.4021, 18.0070, 12.6542



21.4277, 29.8363, 47.2771



8.6371, 8.5616, 9.5877



14.0407, 7.1338, 5.3743



0.4711, 0.2362, 0.3236

Previews

White Background



This preview shows how the XYZ color 19.8264, 10.0781, 7.3789 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 19.8264, 10.0781, 7.3789

Background



This preview shows how black text looks on a background with the XYZ color 19.8264, 10.0781, 7.3789.



This preview shows how white text looks on a background with the XYZ color 19.8264, 10.0781,

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

19.8264, 10.0781, 7.3789

Protanopia

10.5677, 10.6887, 15.6935

Deuteranopia

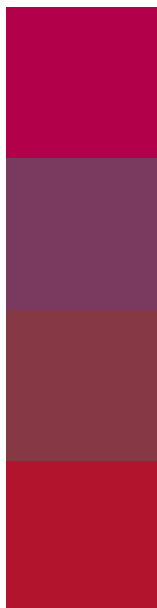
10.7798, 10.6240, 6.6367



Tritanopia

18.8053, 10.3595, 2.1070

Trichromacy



Original Color

19.8264, 10.0781, 7.3789

Protanomaly

11.6504, 8.0082, 11.9980

Deuteranomaly

12.3199, 8.3264, 6.5880

Tritanomaly

19.0666, 10.1202, 3.4311

Monochromacy



Original Color

19.8264, 10.0781, 7.3789

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.5346, 4.8476, 5.6928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8264, 10.0781, 7.3789 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(179, 0, 74)  
}
```

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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 74) }
```

Border

The CSS property to change the border of an element to XYZ 19.8264, 10.0781, 7.3789 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, 74) }
```


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

```
.border{ border-color:rgb(179, 0, 74) }
```

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, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 74);  
box-shadow:4px 4px 4px 4px rgb(179, 0, 74)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.8264, 10.0781, 7.3789 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, 74) }
```

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

```
.background{ background-color: rgb(179, 0,  
74) }
```

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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