

Converting Colors

XYZ(19.6664, 10.6038, 8.1090)

Have a look what the booklet for
XYZ(19.6664, 10.6038, 8.1090)
contains.

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Color

**XYZ(19.6593, 10.5964,
8.0303)**

Conversions

Conversions Part 1

Format	Color
Hex	B01C4D
RGB	176, 28, 77
RGB Percent	69%, 11%, 30%
CMY	0.3098, 0.8901, 0.6980
CMYK	0.00, 0.84, 0.56, 0.31
HSL	340°, 73%, 40%
HSV	340°, 84%, 69%
XYZ	19.6593, 10.5964, 8.0303
YIQ	77.8380, 72.4790, 46.6150

Conversions

Conversions Part 2

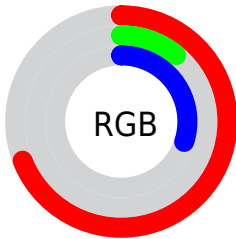
Format	Color
RYB	176, 28, 77
Decimal	11541581
CIELab	38.89, 59.09, 10.77
CIElCh	39, 60.066, 10.328
Yxy	10.5964, 0.5135, 0.2768
Android (android.graphics.Color)	4289731661 (0xFFB01C4D)
YUV	77.8380, -0.4131, 86.0881
Hunter-Lab	32.5521, 50.8359, 8.1602

Details

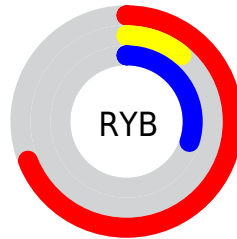
The XYZ color **19.6593, 10.5964, 8.0303** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **19.8361, 32.8303, 25.3744**, and the grayscale version is **7.2033, 7.5784, 8.2529**.

A 20% lighter version of the original color is **42.4320, 26.9931, 22.7124**, and **7.6249, 3.8974, 1.8638** is the 20% darker color. If you saturate the color by 10%, you get **18.9782, 9.8405, 5.9346**, and if you desaturate by 10%, it is **20.6601, 11.8714, 10.6040**.

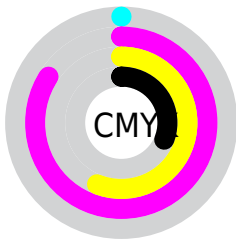
Distribution



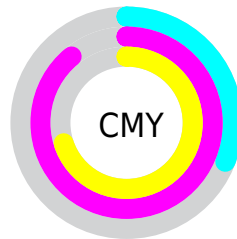
- Red (69%)
- Green (11%)
- Blue (30%)



- Red (69%)
- Yellow (11%)
- Blue (30%)



- Cyan (0%)
- Magenta (84%)
- Yellow (56%)
- Black (31%)





- Cyan (31%)
- Magenta (89%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6593, 10.5964, 8.0303 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 19.6593, 10.5964, 8.0303 by changing the saturation by 10% instead.


 19.6593, 10.5964,
8.0303


 19.6593, 10.5964,
8.0303


242.9336,
194.8773, 185.9129


 12.2545, 5.7961,
4.0263


 42.3535, 26.9114,
22.5650


 6.9906, 2.7215,
1.6398


 58.3737, 39.1949,
33.9327


 3.5025, 0.9881,
0.3190

 77.9962, 54.7416,
48.5921

 1.4247, 0.0000,
0.0000

 101.5866, 73.9360,
66.9617

 0.2738, 0.0000,
0.0000

 129.5102, 97.1623,
89.4601

 0.0000, 0.0000,
0.0000

 162.1323,

124.8050, 116.5057

199.8183,
157.2486, 148.5171

■ 19.6593, 10.5964,
8.0303

■ 19.6593, 10.5964,
8.0303

■ 18.9782, 9.8405,
5.9346

■ 20.6601, 11.8714,
10.6040

■ 18.6748, 9.5382,
4.8946

■ 22.0206, 13.7395,
13.6875

■ 23.7756, 16.2642,
17.3096

■ 25.9550, 19.5006,
21.4966

■ 28.5860, 23.4977,
26.2730

■ 31.6933, 28.3003,
31.6615

■ 35.2997, 33.9496,
37.6838

■ 39.4266, 40.4840,
44.3602

■ 44.0941, 47.9396,
51.7104

Harmonies

Analogous

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



19.1585, 10.5964, 20.6251



19.6593, 10.5964, 8.0303



17.1238, 10.5964, 2.3608

Triad

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



19.6593, 10.5964, 8.0303



5.8784, 10.5964, 1.5867



7.7038, 10.5964, 47.0480

Complementary

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



19.6593, 10.5964, 8.0303



19.8361, 32.8303, 25.3744

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.



5.2827, 10.5964, 32.3931



19.6593, 10.5964, 8.0303



4.4378, 10.5964, 5.6101

Square

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



19.6593, 10.5964, 8.0303



8.7580, 10.5964, 0.5567



4.2532, 10.5964, 15.9414



11.5103, 10.5964, 49.4517

Rectangle

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



19.6593, 10.5964, 8.0303



14.3658, 10.5964, 1.0413



4.2532, 10.5964, 15.9414



6.7317, 10.5964, 43.0850

Sweetspot

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



19.6596, 10.5970, 8.0305



56.6661, 50.0598, 56.0339



16.9555, 8.4525, 41.8120



11.8495, 10.1808, 11.4018



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.



19.6596, 10.5970, 8.0305



33.7763, 17.2618, 8.3836



19.3726, 11.8309, 2.3620



8.6085, 8.5501, 9.4369



13.7266, 7.0082, 3.7205



0.4596, 0.2316, 0.2629

Inverse Universe

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



19.6596, 10.5970, 8.0305



33.7763, 17.2618, 8.3836



19.4363, 25.6229, 44.9955



8.6085, 8.5501, 9.4369



13.7266, 7.0082, 3.7205



0.4596, 0.2316, 0.2629

Previews

White Background



This preview shows how the XYZ color 19.6593, 10.5964, 8.0303 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



This preview shows how the XYZ color 19.6593, 10.5964, 8.0303 looks on a 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 19.6593, 10.5964, 8.0303

Background



This preview shows how black text looks on a background with the XYZ color 19.6593, 10.5964, 8.0303.



This preview shows how white text looks on a background with the XYZ color 19.6593, 10.5964,

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

19.6593, 10.5964, 8.0303

Protanopia

10.7504, 10.9107, 15.7267

Deuteranopia

11.1083, 10.9020, 7.3132



Tritanopia

18.5641, 10.6029, 3.0756

Trichromacy



Original Color

19.6593, 10.5964, 8.0303

Protanomaly

12.1709, 9.1843, 12.4405

Deuteranomaly

13.0413, 9.5637, 7.4620

Tritanomaly

18.9228, 10.5731, 4.4116

Monochromacy



Original Color

19.6593, 10.5964, 8.0303

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

9.9304, 7.3592, 8.1048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6593, 10.5964, 8.0303 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, 28, 77)` looks like.

```
.text, #text, p{  
    color:rgb(176, 28, 77)  
}
```

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, 28, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 28, 77) }
```

Border

The CSS property to change the border of an element to XYZ 19.6593, 10.5964, 8.0303 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, 28, 77) }
```


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

```
.border{ border-color:rgb(176, 28, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 28, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 28, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 28, 77);  
box-shadow:4px 4px 4px 4px rgb(176, 28,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6593, 10.5964, 8.0303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 28, 77) }
```

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

```
.background{ background-color: rgb(176, 28,  
77) }
```

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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