

Converting Colors

XYZ(20.0527, 10.1854, 10.3972)

Have a look what the booklet for
XYZ(20.0527, 10.1854, 10.3972)
contains.

XYZ(19.9781, 10.1552, 10.3584)	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(19.9781, 10.1552,
10.3584)**

Conversions

Conversions Part 1

Format	Color
Hex	B10459
RGB	177, 4, 89
RGB Percent	69%, 2%, 35%
CMY	0.3059, 0.9842, 0.6510
CMYK	0.00, 0.98, 0.50, 0.31
HSL	331°, 96%, 35%
HSV	331°, 98%, 69%
XYZ	19.9781, 10.1552, 10.3584
YIQ	65.4170, 75.8230, 63.1110

Conversions

Conversions Part 2

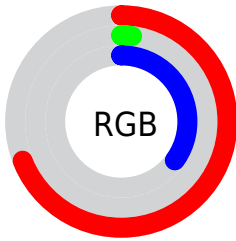
Format	Color
RYB	177, 4, 89
Decimal	11600985
CIELab	38.12, 64.01, 2.01
CIELCh	38, 64.044, 1.797
Yxy	10.1552, 0.4934, 0.2508
Android (android.graphics.Color)	4289791065 (0xFFB10459)
YUV	65.4170, 11.6264, 97.8583
Hunter-Lab	31.8672, 56.1370, 3.0349

Details

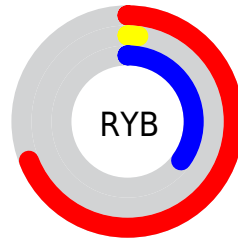
The XYZ color **19.9781, 10.1552, 10.3584** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **17.7055, 32.2435, 15.4217**, and the grayscale version is **5.0650, 5.3288, 5.8031**.

A 20% lighter version of the original color is **42.9374, 26.0758, 27.1962**, and **7.9258, 4.0334, 2.7437** is the 20% darker color. If you saturate the color by 10%, you get **19.8498, 10.0345, 9.8972**, and if you desaturate by 10%, it is **20.6180, 10.7925, 12.5530**.

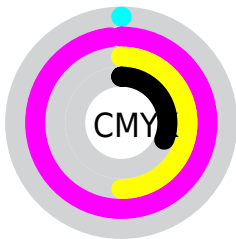
Distribution



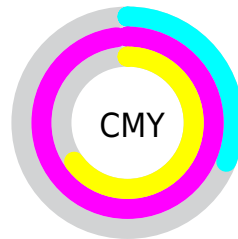
- Red (69%)
- Green (2%)
- Blue (35%)



- Red (69%)
- Yellow (2%)
- Blue (35%)



- Cyan (0%)
- Magenta (98%)
- Yellow (50%)
- Black (31%)



- Cyan (31%)
- Magenta (98%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9781, 10.1552, 10.3584 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 19.9781, 10.1552, 10.3584 by changing the saturation by 10% instead.

■ 19.9781, 10.1552,
10.3584

■ 19.9781, 10.1552,
10.3584

244.6324,
191.7762, 203.7881

■ 12.4873, 5.5020,
5.5285

■ 42.8847, 26.0870,
27.0858

■ 7.1510, 2.5447,
2.4965

■ 59.0312, 38.1344,
39.8203

■ 3.6039, 0.8989,
0.8383

■ 78.7936, 53.4153,
56.0268

■ 1.4806, 0.0000,
0.0000

■ 102.5373, 72.3141,
76.1239

■ 0.3126, 0.0000,
0.0000

■ 130.6277, 95.2152,
100.5300

■ 0.0000, 0.0000,
0.0000

■ 163.4301,

122.5030, 129.6637

201.3099,
154.5618, 163.9436

■ 19.9781, 10.1552,
10.3584

■ 19.9781, 10.1552,
10.3584

■ 19.8498, 10.0345,
9.8972

■ 20.6180, 10.7925,
12.5530

■ 21.5255, 11.8881,
15.0728

■ 22.7541, 13.5472,
17.9431

■ 24.3387, 15.8370,
21.1827

■ 26.3092, 18.8149,
24.8082

■ 28.6920, 22.5320,
28.8351

■ 31.5114, 27.0344,
33.2777

■ 34.7894, 32.3645,
38.1496

■ 38.5466, 38.5616,
43.4634

Harmonies

Analogous

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



18.4902, 10.1552, 25.6847



19.9781, 10.1552, 10.3584



18.1082, 10.1552, 2.8761

Triad

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



19.9781, 10.1552, 10.3584



6.0400, 10.1552, 0.7894



6.3616, 10.1552, 45.7062

Complementary

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



19.9781, 10.1552, 10.3584



17.7055, 32.2435, 15.4217

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.



4.3495, 10.1552, 27.9159



19.9781, 10.1552, 10.3584



4.2045, 10.1552, 3.4102

Square

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



19.9781, 10.1552, 10.3584



9.4050, 10.1552, 0.1196



3.6872, 10.1552, 11.7869



9.9037, 10.1552, 52.9956

Rectangle

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



19.9781, 10.1552, 10.3584



15.4508, 10.1552, 1.0807



3.6872, 10.1552, 11.7869



5.5232, 10.1552, 40.3341

Sweetspot

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



19.9784, 10.1558, 10.3586



55.4832, 46.8844, 58.1355



12.2461, 5.4612, 42.0037



11.5602, 9.4182, 11.8731



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.



19.9784, 10.1558, 10.3586



35.4390, 17.9268, 17.1393



18.1972, 9.4434, 0.9793



8.6645, 8.5725, 9.7319



14.4124, 7.2825, 7.3317



0.4830, 0.2409, 0.3860

Inverse Universe

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



19.9784, 10.1558, 10.3586



35.4390, 17.9268, 17.1393



23.7084, 34.6446, 47.0325



8.6645, 8.5725, 9.7319



14.4124, 7.2825, 7.3317



0.4830, 0.2409, 0.3860

Previews

White Background



This preview shows how the XYZ color 19.9781, 10.1552, 10.3584 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 19.9781, 10.1552, 10.3584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

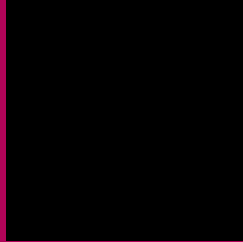
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9781, 10.1552, 10.3584

Background



This preview shows how black text looks on a background with the XYZ color 19.9781, 10.1552, 10.3584.



This preview shows how white text looks on a background with the XYZ color 19.9781, 10.1552,

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

19.9781, 10.1552, 10.3584

Protanopia

11.0969, 10.8165, 22.2718

Deuteranopia

10.9211, 10.7572, 9.4834



Tritanopia

18.5987, 10.4434, 2.7046

Trichromacy



Original Color

19.9781, 10.1552, 10.3584

Protanomaly

11.8037, 8.0558, 16.8524

Deuteranomaly

12.5128, 8.5073, 9.5769

Tritanomaly

18.9207, 10.1592, 4.5781

Monochromacy



Original Color

19.9781, 10.1552, 10.3584

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.0438, 5.2863, 7.0750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9781, 10.1552, 10.3584 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(177, 4, 89)` looks like.

```
.text, #text, p{  
    color:rgb(177, 4, 89)  
}
```

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(177, 4, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 4, 89) }
```

Border

The CSS property to change the border of an element to XYZ 19.9781, 10.1552, 10.3584 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(177, 4, 89) }
```


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

```
.border{ border-color:rgb(177, 4, 89) }
```

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

Here you see how a box with a 4 pixel rgb(177, 4, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 4, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 4, 89);  
box-shadow:4px 4px 4px 4px rgb(177, 4, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.9781, 10.1552, 10.3584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 4, 89) }
```

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

```
.background{ background-color: rgb(177, 4,  
89) }
```

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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