

Converting Colors

XYZ(19.7012, 9.9475, 10.3584)

Have a look what the booklet for
XYZ(19.7012, 9.9475, 10.3584)
contains.

XYZ(19.7077, 9.9514, 10.3333)	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(19.7077, 9.9514,
10.3333)**

Conversions

Conversions Part 1

Format	Color
Hex	B00059
RGB	176, 0, 89
RGB Percent	69%, 0%, 35%
CMY	0.3098, 0.9999, 0.6510
CMYK	0.00, 1.00, 0.49, 0.31
HSL	330°, 100%, 35%
HSV	330°, 100%, 69%
XYZ	19.7077, 9.9514, 10.3333
YIQ	62.7700, 76.3270, 64.9910

Conversions

Conversions Part 2

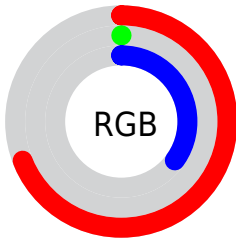
Format	Color
R_{YB}	176, 0, 89
Decimal	11534425
CIE Lab	37.76, 64.24, 1.45
CIE LCh	38, 64.253, 1.297
Yxy	9.9514, 0.4928, 0.2488
Android (android.graphics.Color)	4289724505 (0xFFB00059)
YUV	62.7700, 12.9314, 99.3027
Hunter-Lab	31.5458, 56.3095, 2.6608

Details

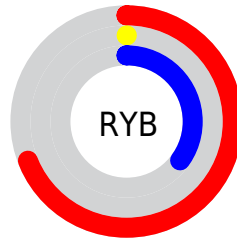
The XYZ color **19.7077, 9.9514, 10.3333** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **17.2471, 31.7394, 14.2402**, and the grayscale version is **4.6670, 4.9100, 5.3470**.

A 20% lighter version of the original color is **42.5277, 25.7535, 27.1556**, and **7.7907, 3.9638, 2.7373** is the 20% darker color. If you saturate the color by 10%, you get **19.7071, 9.9511, 10.3302**, and if you desaturate by 10%, it is **20.3053, 10.5270, 12.4433**.

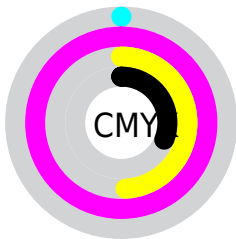
Distribution



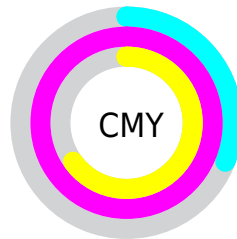
- Red (69%)
- Green (0%)
- Blue (35%)



- Red (69%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (31%)



- Cyan (31%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7077, 9.9514, 10.3333 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 19.7077, 9.9514, 10.3333 by changing the saturation by 10% instead.

■ 19.7077, 9.9514,
10.3333

■ 19.7077, 9.9514,
10.3333

243.1921,
190.3248, 203.6051

■ 12.2898, 5.3667,
5.5120

■ 42.4343, 25.7041,
27.0381

■ 7.0149, 2.4640,
2.4868

■ 58.4736, 37.6408,
39.7587

■ 3.5179, 0.8585,
0.8331

■ 78.1175, 52.7971,
55.9495

■ 1.4332, 0.0000,
0.0000

■ 101.7313, 71.5573,
76.0290

■ 0.2797, 0.0000,
0.0000

■ 129.6802, 94.3058,
100.4158

■ 0.0000, 0.0000,
0.0000

■ 162.3298,

121.4269, 129.5283

200.0453,
153.3051, 163.7853

■ 19.7077, 9.9514,
10.3333

■ 19.7077, 9.9514,
10.3333

■ 19.7071, 9.9511,
10.3302

■ 20.3053, 10.5270,
12.4433

■ 21.1348, 11.4947,
14.8506

■ 22.2703, 13.0009,
17.5868

■ 23.7474, 15.1146,
20.6702

■ 25.5962, 17.8941,
24.1171

■ 27.8436, 21.3911,
27.9421

■ 30.5136, 25.6520,
32.1593

■ 33.6285, 30.7191,
36.7813

■ 37.2086, 36.6320,
41.8206

Harmonies

Analogous

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



18.1752, 9.9514, 25.6621



19.7077, 9.9514, 10.3333



17.9013, 9.9514, 2.8387

Triad

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



19.7077, 9.9514, 10.3333



5.9315, 9.9514, 0.7125



6.1604, 9.9514, 45.0574

Complementary

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



19.7077, 9.9514, 10.3333



17.2471, 31.7394, 14.2402

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.



4.2022, 9.9514, 27.2640



19.7077, 9.9514, 10.3333



4.0993, 9.9514, 3.2159

Square

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



19.7077, 9.9514, 10.3333



9.2815, 9.9514, 0.0600



3.5712, 9.9514, 11.3535



9.6377, 9.9514, 52.5877

Rectangle

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



19.7077, 9.9514, 10.3333



15.2812, 9.9514, 1.0476



3.5712, 9.9514, 11.3535



5.3421, 9.9514, 39.6526

Sweetspot

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



19.7080, 9.9520, 10.3334



55.0592, 46.0690, 57.8936



11.5905, 5.0703, 41.4420



11.4840, 9.2651, 11.8497



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.



19.7080, 9.9520, 10.3334



35.6273, 18.0022, 18.1309



17.9210, 9.2372, 0.9235



8.6696, 8.5746, 9.7586



14.4891, 7.3132, 7.7354



0.4853, 0.2419, 0.3983

Inverse Universe

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



19.7080, 9.9520, 10.3334



35.6273, 18.0022, 18.1309



23.0750, 34.0705, 44.9293



8.6696, 8.5746, 9.7586



14.4891, 7.3132, 7.7354



0.4853, 0.2419, 0.3983

Previews

White Background



This preview shows how the XYZ color 19.7077, 9.9514, 10.3333 looks on a white background.

Color Contrast Check

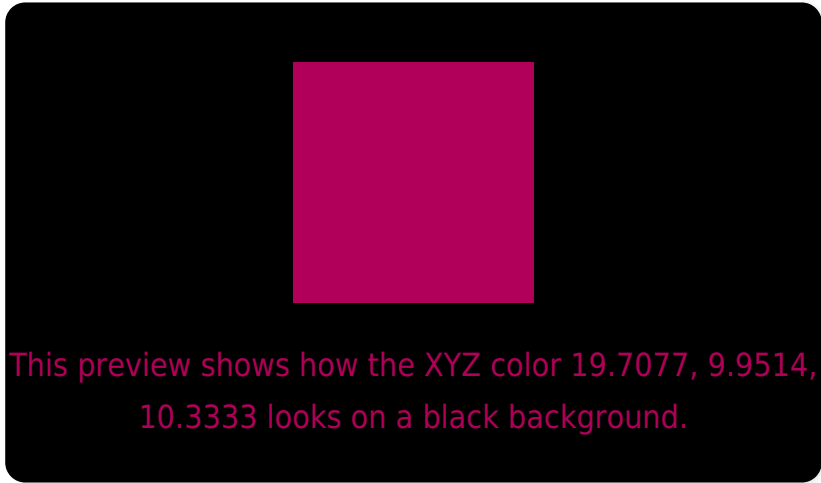
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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 19.7077, 9.9514, 10.3333

Background



This preview shows how black text looks on a background with the XYZ color 19.7077, 9.9514, 10.3333.



This preview shows how white text looks on a background with the XYZ color 19.7077, 9.9514,

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

19.7077, 9.9514, 10.3333

Protanopia

10.9269, 10.6028, 22.2395

Deuteranopia

10.7216, 10.5317, 9.4504



Tritanopia

18.1380, 10.2076, 2.6044

Trichromacy



Original Color

19.7077, 9.9514, 10.3333

Protanomaly

11.5706, 7.7860, 16.8126

Deuteranomaly

12.2598, 8.2301, 9.5367

Tritanomaly

18.4321, 9.8483, 4.5439

Monochromacy



Original Color

19.7077, 9.9514, 10.3333

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.6374, 4.9285, 6.6797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7077, 9.9514, 10.3333 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, 0, 89)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 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(176, 0, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 89) }
```

Border

The CSS property to change the border of an element to XYZ 19.7077, 9.9514, 10.3333 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, 0, 89) }
```


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

```
.border{ border-color:rgb(176, 0, 89) }
```

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

Here you see how a box with a 4 pixel rgb(176, 0, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 89);  
box-shadow:4px 4px 4px 4px rgb(176, 0, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.7077, 9.9514, 10.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 89) }
```

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

```
.background{ background-color: rgb(176, 0,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor