

Converting Colors

XYZ(19.3548, 9.8089, 8.5343)

Have a look what the booklet for
XYZ(19.3548, 9.8089, 8.5343)
contains.

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Color

**XYZ(19.3525, 9.8093,
8.4628)**

Conversions

Conversions Part 1

Format	Color
Hex	B00050
RGB	176, 0, 80
RGB Percent	69%, 0%, 31%
CMY	0.3098, 0.9999, 0.6863
CMYK	0.00, 1.00, 0.55, 0.31
HSL	333°, 100%, 35%
HSV	333°, 100%, 69%
XYZ	19.3525, 9.8093, 8.4628
YIQ	61.7440, 79.2160, 62.1920

Conversions

Conversions Part 2

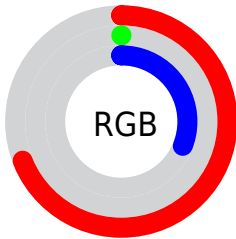
Format	Color
R_YB	176, 0, 80
Decimal	11534416
CIE Lab	37.50, 63.56, 6.89
CIE LCh	37, 63.928, 6.183
Yxy	9.8093, 0.5144, 0.2607
Android (android.graphics.Color)	4289724496 (0xFFB00050)
YUV	61.7440, 9.0002, 100.2025
Hunter-Lab	31.3198, 55.4855, 5.9033

Details

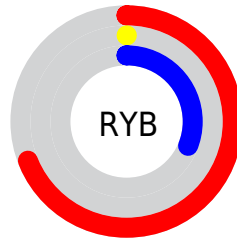
The XYZ color **19.3525, 9.8093, 8.4628** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **17.6383, 31.8958, 16.2999**, and the grayscale version is **4.5235, 4.7591, 5.1826**.

A 20% lighter version of the original color is **41.8299, 25.4744, 23.4812**, and **7.5209, 3.8404, 2.0139** is the 20% darker color. If you saturate the color by 10%, you get **19.3519, 9.8091, 8.4599**, and if you desaturate by 10%, it is **19.9433, 10.3822, 10.5370**.

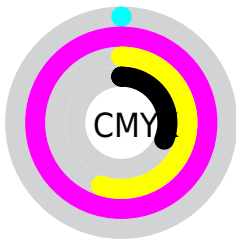
Distribution



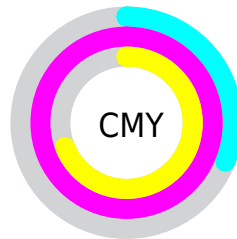
- Red (69%)
- Green (0%)
- Blue (31%)



- Red (69%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.3525, 9.8093, 8.4628 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 19.3525, 9.8093, 8.4628 by changing the saturation by 10% instead.


 19.3525, 9.8093,
8.4628


 19.3525, 9.8093,
8.4628


241.2888,
189.3055, 189.3863


 12.0308, 5.2727,
4.3005


 41.8412, 25.4362,
23.4218


 6.8370, 2.4081,
1.7916


 57.7388, 37.2953,
35.0556


 3.4058, 0.8301,
0.4224

 77.2259, 52.3640,
50.0170

 1.3718, 0.0000,
0.0000

 100.6676, 71.0267,
68.7244

 0.2360, 0.0000,
0.0000

 128.4294, 93.6678,
91.5966

 0.0000, 0.0000,
0.0000

 160.8767,

120.6717, 119.0519

198.3747,
152.4228, 151.5090

■ 19.3525, 9.8093,
8.4628

■ 19.3525, 9.8093,
8.4628

■ 19.3519, 9.8091,
8.4599

■ 19.9433, 10.3822,
10.5370

■ 20.7741, 11.3504,
12.9513

■ 21.9196, 12.8606,
15.7400

■ 23.4157, 14.9818,
18.9240

■ 25.2933, 17.7729,
22.5221

■ 27.5795, 21.2853,
26.5516

■ 30.2988, 25.5659,
31.0283

■ 33.4738, 30.6571,
35.9674

■ 37.1254, 36.5985,
41.3832

Harmonies

Analogous

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



18.3686, 9.8093, 22.3922



19.3525, 9.8093, 8.4628



17.0870, 9.8093, 2.2028

Triad

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



19.3525, 9.8093, 8.4628



5.4540, 9.8093, 0.9126



6.5297, 9.8093, 46.6012

Complementary

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



19.3525, 9.8093, 8.4628



17.6383, 31.8958, 16.2999

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.



4.3608, 9.8093, 29.8875



19.3525, 9.8093, 8.4628



3.8766, 9.8093, 3.9887

Square

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



19.3525, 9.8093, 8.4628



8.5129, 9.8093, 0.0766



3.5439, 9.8093, 13.2557



10.1838, 9.8093, 51.4659

Rectangle

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



19.3525, 9.8093, 8.4628



14.3390, 9.8093, 0.8067



3.5439, 9.8093, 13.2557



5.6395, 9.8093, 41.7945

Sweetspot

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



19.3528, 9.8099, 8.4629



54.6644, 45.9111, 55.8146



12.4405, 5.5085, 41.4818



11.3901, 9.2275, 11.3550



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.



19.3528, 9.8099, 8.4629



34.9868, 17.7459, 14.7576



17.9686, 9.3581, 0.8601



8.6516, 8.5673, 9.6636



14.2276, 7.2086, 6.3588



0.4772, 0.2386, 0.3557

Inverse Universe

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



19.3528, 9.8099, 8.4629



34.9868, 17.7459, 14.7576



22.2367, 31.9345, 46.0662



8.6516, 8.5673, 9.6636



14.2276, 7.2086, 6.3588



0.4772, 0.2386, 0.3557

Previews

White Background



This preview shows how the XYZ color 19.3525, 9.8093, 8.4628 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



This preview shows how the XYZ color 19.3525, 9.8093, 8.4628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

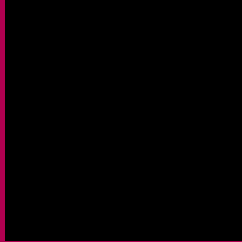
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.3525, 9.8093, 8.4628

Background



This preview shows how black text looks on a background with the XYZ color 19.3525, 9.8093, 8.4628.



This preview shows how white text looks on a background with the XYZ color 19.3525, 9.8093, 8.4628.

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

19.3525, 9.8093, 8.4628

Protanopia

10.4647, 10.4581, 17.9901

Deuteranopia

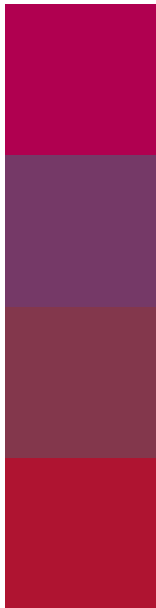
10.5547, 10.3616, 7.7470



Tritanopia

18.2194, 10.1306, 2.2915

Trichromacy



Original Color

19.3525, 9.8093, 8.4628

Protanomaly

11.2474, 7.6874, 13.7230

Deuteranomaly

12.0308, 8.0795, 7.7629

Tritanomaly

18.4837, 9.8360, 3.8301

Monochromacy



Original Color

19.3525, 9.8093, 8.4628

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.3932, 4.7643, 6.1602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3525, 9.8093, 8.4628 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 80) }
```

Border

The CSS property to change the border of an element to XYZ 19.3525, 9.8093, 8.4628 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, 80) }
```


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

```
.border{ border-color:rgb(176, 0, 80) }
```

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, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 80);  
box-shadow:4px 4px 4px 4px rgb(176, 0, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.3525, 9.8093, 8.4628 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, 80) }
```

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

```
.background{ background-color: rgb(176, 0,  
80) }
```

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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