

Converting Colors

XYZ(19.5088, 10.5354, 17.8349)

Have a look what the booklet for
XYZ(19.5088, 10.5354, 17.8349)
contains.

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Color

**XYZ(19.5088, 10.5354,
17.8349)**

Conversions

Conversions Part 1

Format	Color
Hex	A62275
RGB	166, 34, 117
RGB Percent	65%, 13%, 46%
CMY	0.3490, 0.8666, 0.5412
CMYK	0.00, 0.80, 0.30, 0.35
HSL	322°, 66%, 39%
HSV	322°, 80%, 65%
XYZ	19.5088, 10.5354, 17.8349
YIQ	82.9300, 52.0290, 53.7970

Conversions

Conversions Part 2

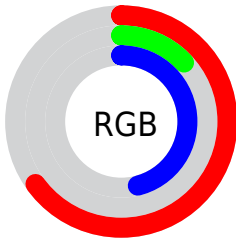
Format	Color
R_{YB}	166, 34, 117
Decimal	10887797
CIE _{Lab}	38.79, 58.79, -14.97
CIE _{LCh}	39, 60.667, 345.715
Yxy	10.5354, 0.4075, 0.2200
Android (android.graphics.Color)	4289077877 (0xFFA62275)
YUV	82.9300, 16.7965, 72.8524
Hunter-Lab	32.4583, 50.4841, -9.8574

Details

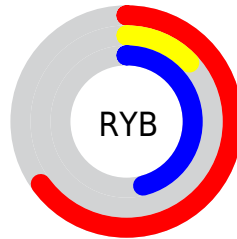
The XYZ color **19.5088, 10.5354, 17.8349** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.8580, 28.2374, 12.8001**, and the grayscale version is **8.1682, 8.5936, 9.3584**.

A 20% lighter version of the original color is **42.2155, 26.8775, 40.4990**, and **7.3809, 3.6809, 5.9517** is the 20% darker color. If you saturate the color by 10%, you get **18.7931, 9.6648, 15.8671**, and if you desaturate by 10%, it is **20.4781, 11.8748, 20.0051**.

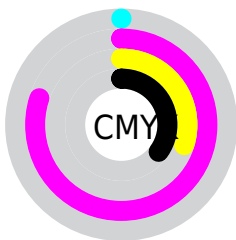
Distribution



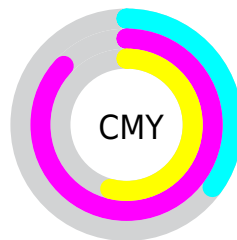
- Red (65%)
- Green (13%)
- Blue (46%)



- Red (65%)
- Yellow (13%)
- Blue (46%)



- Cyan (0%)
- Magenta (80%)
- Yellow (30%)
- Black (35%)





- Cyan (35%)
- Magenta (87%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5088, 10.5354, 17.8349 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 19.5088, 10.5354, 17.8349 by changing the saturation by 10% instead.


 19.5088, 10.5354,
17.8349


 19.5088, 10.5354,
17.8349


242.1280,
194.4518, 252.1436


 12.1447, 5.7554,
10.6633


 42.1024, 26.7978,
40.5659


 6.9152, 2.6969,
5.7296


 58.0625, 39.0489,
56.9624

 3.4550, 0.9756,
2.6153

 77.6187, 54.5592,
77.2710

 1.3987, 0.0000,
0.9003

 101.1363, 73.7130,
101.9102

 0.2553, 0.0000,
0.0000

 128.9807, 96.8948,
131.2985

 0.0000, 0.0000,
0.0000

 161.5172,

124.4889, 165.8545

199.1112,
156.8798, 205.9966

■ 19.5088, 10.5354,
17.8349

■ 19.5088, 10.5354,
17.8349

■ 18.7931, 9.6648,
15.8671

■ 20.4781, 11.8748,
20.0051

■ 18.2678, 9.1378,
14.0782

■ 21.7297, 13.7399,
22.3892

■ 18.2437, 9.1141,
13.9944

■ 23.2891, 16.1812,
24.9980

■ 25.1787, 19.2426,
27.8409

■ 27.4188, 22.9640,
30.9268

■ 30.0278, 27.3817,
34.2637

■ 33.0230, 32.5295,
37.8594

■ 36.4203, 38.4389,
41.7211

■ 40.2350, 45.1396,
45.8556

Harmonies

Analogous

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



16.6166, 10.5354, 34.8586



19.5088, 10.5354, 17.8349



19.4312, 10.5354, 6.4659

Triad

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



19.5088, 10.5354, 17.8349



8.0654, 10.5354, 0.5925



5.5338, 10.5354, 35.6831

Complementary

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



19.5088, 10.5354, 17.8349



15.8580, 28.2374, 12.8001

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.



4.2703, 10.5354, 18.5593



19.5088, 10.5354, 17.8349



5.4426, 10.5354, 1.9248

Square

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



19.5088, 10.5354, 17.8349



12.0411, 10.5354, 0.5651



4.2422, 10.5354, 6.8362



8.2275, 10.5354, 48.9865

Rectangle

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



19.5088, 10.5354, 17.8349



17.6775, 10.5354, 2.8018



4.2422, 10.5354, 6.8362



4.9637, 10.5354, 29.8151

Sweetspot

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



19.5091, 10.5360, 17.8351



52.0758, 45.5777, 59.1396



10.9703, 5.7099, 36.6004



11.2981, 9.5992, 12.7743



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.5091, 10.5360, 17.8351



33.4152, 16.8516, 26.4215



16.9093, 9.4960, 4.1444



7.7220, 7.6187, 8.8533



14.1702, 7.0768, 10.9736



0.3682, 0.1816, 0.3906

Inverse Universe

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



19.5091, 10.5360, 17.8351



33.4152, 16.8516, 26.4215



19.6734, 29.7636, 32.8919



7.7220, 7.6187, 8.8533



14.1702, 7.0768, 10.9736



0.3682, 0.1816, 0.3906

Previews

White Background



This preview shows how the XYZ color 19.5088, 10.5354, 17.8349 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 19.5088, 10.5354, 17.8349 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 19.5088, 10.5354, 17.8349

Background



This preview shows how black text looks on a background with the XYZ color 19.5088, 10.5354, 17.8349.



This preview shows how white text looks on a background with the XYZ color 19.5088, 10.5354,

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

19.5088, 10.5354, 17.8349

Protanopia

11.9421, 10.8709, 33.8166

Deuteranopia

10.9848, 10.7653, 16.2508



Tritanopia

16.9580, 10.6151, 5.0260

Trichromacy



Original Color

19.5088, 10.5354, 17.8349

Protanomaly

12.5149, 9.1302, 27.0893

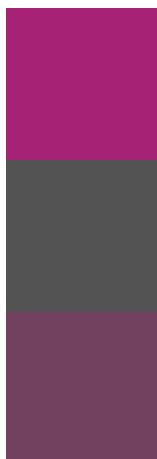
Deuteranomaly

12.9165, 9.5656, 16.7884

Tritanomaly

17.5321, 10.3841, 8.4774

Monochromacy



Original Color

19.5088, 10.5354, 17.8349

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

10.7659, 8.1175, 11.8259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5088, 10.5354, 17.8349 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(166, 34, 117)` looks like.

```
.text, #text, p{  
    color:rgb(166, 34, 117)  
}
```

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(166, 34, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 34, 117) }
```

Border

The CSS property to change the border of an element to XYZ 19.5088, 10.5354, 17.8349 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(166, 34, 117) }
```


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

```
.border{ border-color:rgb(166, 34, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 34, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 34, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 34, 117);  
box-shadow:4px 4px 4px 4px rgb(166, 34,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5088, 10.5354, 17.8349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 34, 117) }
```

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

```
.background{ background-color: rgb(166, 34,  
117) }
```

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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