

Converting Colors

XYZ(19.1114, 10.1148, 23.4908)

Have a look what the booklet for
XYZ(19.1114, 10.1148, 23.4908)
contains.

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Color

**XYZ(19.1177, 10.1252,
23.5010)**

Conversions

Conversions Part 1

Format	Color
Hex	9F2086
RGB	159, 32, 134
RGB Percent	62%, 13%, 53%
CMY	0.3765, 0.8745, 0.4745
CMYK	0.00, 0.80, 0.16, 0.38
HSL	312°, 66%, 37%
HSV	312°, 80%, 62%
XYZ	19.1177, 10.1252, 23.5010
YIQ	81.6010, 42.9500, 58.6460

Conversions

Conversions Part 2

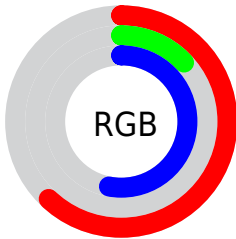
Format	Color
RYB	159, 32, 134
Decimal	10428550
CIELab	38.07, 59.91, -26.75
CIELCh	38, 65.614, 335.938
Yxy	10.1252, 0.3625, 0.1920
Android (android.graphics.Color)	4288618630 (0xFF9F2086)
YUV	81.6010, 25.8327, 67.8789
Hunter-Lab	31.8201, 51.5586, -21.5150

Details

The XYZ color **19.1177, 10.1252, 23.5010** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **13.7329, 25.3992, 8.0508**, and the grayscale version is **7.8853, 8.2960, 9.0343**.

A 20% lighter version of the original color is **41.5195, 26.0368, 50.4142**, and **7.1938, 3.5237, 8.6885** is the 20% darker color. If you saturate the color by 10%, you get **18.5731, 9.3800, 22.2582**, and if you desaturate by 10%, it is **19.8762, 11.2873, 24.8471**.

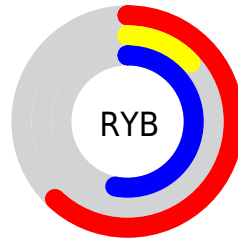
Distribution



Red (62%)

Green (13%)

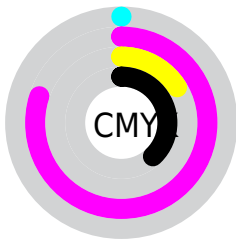
Blue (53%)



Red (62%)

Yellow (13%)

Blue (53%)

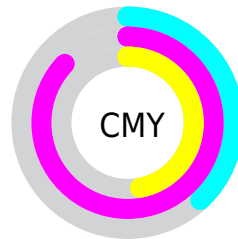


Cyan (0%)

Magenta (80%)

Yellow (16%)

Black (38%)



Cyan (38%)

Magenta (87%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1177, 10.1252, 23.5010 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 19.1177, 10.1252, 23.5010 by changing the saturation by 10% instead.

■ 19.1177, 10.1252,
23.5010

■ 19.1177, 10.1252,
23.5010

240.0234,
191.5633, 283.4928

■ 11.8599, 5.4820,
14.7551

■ 41.4482, 26.0307,
50.1482

■ 6.7198, 2.5328,
8.5030

■ 57.2516, 38.0619,
68.8867

■ 3.3323, 0.8930,
4.3261

■ 76.6343, 53.3245,
91.7931

■ 1.3318, 0.0000,
1.8059

■ 99.9615, 72.2030,
119.2859

■ 0.2068, 0.0000,
0.4318

■ 127.5987, 95.0817,
151.7837

■ 0.0000, 0.0000,
0.0000

■ 159.9111,

122.3451, 189.7051

197.2643,
154.3775, 233.4686

■ 19.1177, 10.1252,
23.5010

■ 19.1177, 10.1252,
23.5010

■ 18.5731, 9.3800,
22.2582

■ 19.8762, 11.2873,
24.8471

■ 18.1797, 8.9272,
21.0974

■ 20.8737, 12.9174,
26.3050

■ 18.1747, 8.9216,
21.0825

■ 22.1332, 15.0608,
27.8826

■ 23.6744, 17.7571,
29.5868

■ 25.5153, 21.0420,
31.4238

■ 27.6722, 24.9482,
33.3994

■ 30.1604, 29.5061,
35.5188

■ 32.9939, 34.7438,
37.7871

■ 36.1863, 40.6881,
40.2089

Harmonies

Analogous

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



15.2263, 10.1252, 42.6555



19.1177, 10.1252, 23.5010



20.1842, 10.1252, 8.7874

Triad

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



19.1177, 10.1252, 23.5010



8.8070, 10.1252, 0.0259



4.4286, 10.1252, 31.1095

Complementary

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



19.1177, 10.1252, 23.5010



13.7329, 25.3992, 8.0508

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.



3.5914, 10.1252, 13.6126



19.1177, 10.1252, 23.5010



5.5978, 10.1252, 0.8744

Square

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



19.1177, 10.1252, 23.5010



13.3330, 10.1252, 0.3999



3.9460, 10.1252, 3.9963



6.6753, 10.1252, 48.8706

Rectangle

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



19.1177, 10.1252, 23.5010



18.9405, 10.1252, 3.6553



3.9460, 10.1252, 3.9963



4.0084, 10.1252, 24.6639

Sweetspot

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



19.1181, 10.1257, 23.5012



47.7139, 41.3288, 58.1603



8.3663, 4.3571, 33.2013



10.4693, 8.7973, 12.8459



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.1181, 10.1257, 23.5012



32.7189, 16.1891, 38.2091



15.9919, 8.8753, 7.0392



6.8481, 6.7322, 8.0514



14.3697, 7.0524, 16.7295



0.2701, 0.1314, 0.3683

Inverse Universe

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



19.1181, 10.1257, 23.5012



32.7189, 16.1891, 38.2091



16.3111, 26.4305, 21.6275



6.8481, 6.7322, 8.0514



14.3697, 7.0524, 16.7295



0.2701, 0.1314, 0.3683

Previews

White Background



This preview shows how the XYZ color 19.1177, 10.1252, 23.5010 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

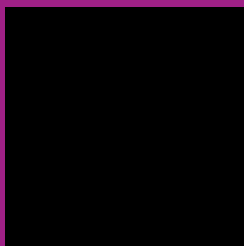
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.1177, 10.1252, 23.5010

Background



This preview shows how black text looks on a background with the XYZ color 19.1177, 10.1252, 23.5010.



This preview shows how white text looks on a background with the XYZ color 19.1177, 10.1252,

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

19.1177, 10.1252, 23.5010

Protanopia

12.2930, 10.5660, 44.5716

Deuteranopia

10.6465, 10.4810, 21.2006



Tritanopia

15.5980, 10.2591, 5.8607

Trichromacy



Original Color

19.1177, 10.1252, 23.5010

Protanomaly

11.8199, 8.3983, 35.6484

Deuteranomaly

12.2749, 9.0294, 21.8648

Tritanomaly

16.4191, 9.8865, 10.4941

Monochromacy



Original Color

19.1177, 10.1252, 23.5010

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

10.6128, 7.9214, 13.2815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1177, 10.1252, 23.5010 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(159, 32, 134)` looks like.

```
.text, #text, p{  
    color:rgb(159, 32, 134)  
}
```

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(159, 32, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 32, 134) }
```

Border

The CSS property to change the border of an element to XYZ 19.1177, 10.1252, 23.5010 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(159, 32, 134) }
```


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

```
.border{ border-color:rgb(159, 32, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 32, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 32, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 32, 134); box-shadow:4px 4px 4px 4px rgb(159, 32, 134) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1177, 10.1252, 23.5010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 32, 134) }
```

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

```
.background{ background-color: rgb(159, 32,  
134) }
```

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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