

Converting Colors

XYZ(19.0824, 11.2773, 29.4038)

Have a look what the booklet for
XYZ(19.0824, 11.2773, 29.4038)
contains.

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Color

**XYZ(19.1854, 11.2919,
29.6021)**

Conversions

Conversions Part 1

Format	Color
Hex	953795
RGB	149, 55, 149
RGB Percent	58%, 22%, 58%
CMY	0.4157, 0.7843, 0.4157
CMYK	0.00, 0.63, 0.00, 0.42
HSL	300°, 46%, 40%
HSV	300°, 63%, 58%
XYZ	19.1854, 11.2919, 29.6021
YIQ	93.8220, 25.8500, 49.1620

Conversions

Conversions Part 2

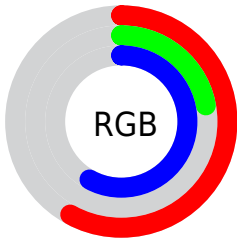
Format	Color
R_{YB}	149, 55, 149
Decimal	9779093
CIE _{Lab}	40.07, 51.63, -32.90
CIE _{LCh}	40, 61.219, 327.497
Yxy	11.2919, 0.3193, 0.1879
Android (android.graphics.Color)	4287969173 (0xFF953795)
YUV	93.8220, 27.2028, 48.3911
Hunter-Lab	33.6034, 43.1061, -28.7077

Details

The XYZ color **19.1854, 11.2919, 29.6021** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **13.0131, 22.5834, 7.2883**, and the grayscale version is **10.5315, 11.0800, 12.0661**.

A 20% lighter version of the original color is **41.4385, 28.0639, 60.3596**, and **6.9239, 3.3147, 11.8302** is the 20% darker color. If you saturate the color by 10%, you get **18.5817, 10.0842, 29.4009**, and if you desaturate by 10%, it is **20.0036, 12.9280, 29.8750**.

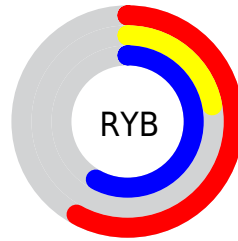
Distribution



Red (58%)

Green (22%)

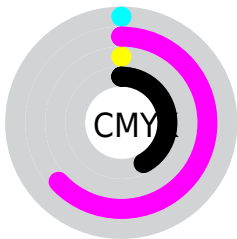
Blue (58%)



Red (58%)

Yellow (22%)

Blue (58%)

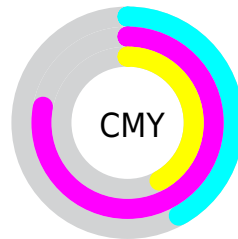


Cyan (0%)

Magenta (63%)

Yellow (0%)

Black (42%)



Cyan (42%)

Magenta (78%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1854, 11.2919, 29.6021 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 19.1854, 11.2919, 29.6021 by changing the saturation by 10% instead.

19.1854, 11.2919,
29.6021

19.1854, 11.2919,
29.6021

240.3889,
199.6594, 314.1947

11.9091, 6.2635,
19.2873

41.5616, 28.1987,
60.0859

6.7536, 3.0060,
11.6991

57.3922, 40.8459,
81.0920

3.3534, 1.1349,
6.4191

76.8050, 56.8015,
106.4989

1.3433, 0.0075,
3.0287

100.1653, 76.4499,
136.7251

0.2153, 0.0000,
1.1093

127.8385,
100.1755, 172.1893

0.0000, 0.0000,
0.0000

160.1899,

128.3627, 213.3099

197.5849,
161.3958, 260.5055

■ 19.1854, 11.2919,
29.6021

■ 19.1854, 11.2919,
29.6021

■ 18.5817, 10.0842,
29.4009

■ 20.0036, 12.9280,
29.8750

■ 18.1714, 9.2636,
29.2641

■ 21.0526, 15.0259,
30.2246

■ 17.9312, 8.7833,
29.1841

■ 22.3484, 17.6175,
30.6566

■ 17.8194, 8.5596,
29.1467

■ 23.9052, 20.7312,
31.1756

■ 25.7364, 24.3936,
31.7860

■ 27.8542, 28.6291,
32.4920

■ 30.2702, 33.4610,
33.2973

■ 32.9952, 38.9112,
34.2057

■ 36.0398, 45.0002,
35.2206

Harmonies

Analogous

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



14.9560, 11.2919, 46.8335



19.1854, 11.2919, 29.6021



21.1171, 11.2919, 13.3434

Triad

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



19.1854, 11.2919, 29.6021



11.0927, 11.2919, 0.5539



5.0017, 11.2919, 26.5405

Complementary

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



19.1854, 11.2919, 29.6021



13.0131, 22.5834, 7.2883

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.



4.4724, 11.2919, 11.3029



19.1854, 11.2919, 29.6021



7.3901, 11.2919, 1.0349

Square

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



19.1854, 11.2919, 29.6021



15.7389, 11.2919, 1.2435



5.2189, 11.2919, 3.5301



6.9195, 11.2919, 44.3894

Rectangle

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



19.1854, 11.2919, 29.6021



20.5420, 11.2919, 6.5243



5.2189, 11.2919, 3.5301



4.6818, 11.2919, 20.7400

Sweetspot

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



19.1858, 11.2924, 29.6023



43.9652, 39.4354, 56.2157



8.3671, 5.7152, 29.0962



9.5620, 8.3769, 12.3977



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.1858, 11.2924, 29.6023



32.9090, 17.3231, 52.5300



16.1594, 10.0818, 13.6654



6.0353, 5.9092, 7.2922



14.9974, 7.2040, 24.5309



0.1836, 0.0882, 0.3002

Inverse Universe

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



19.1858, 11.2924, 29.6023



32.9090, 17.3231, 52.5300



14.7218, 23.2668, 16.2861



6.0353, 5.9092, 7.2922



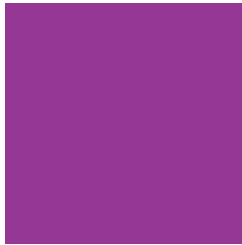
14.9974, 7.2040, 24.5309



0.1836, 0.0882, 0.3002

Previews

White Background



This preview shows how the XYZ color 19.1854, 11.2919, 29.6021 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 19.1854, 11.2919, 29.6021 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 19.1854, 11.2919, 29.6021

Background



This preview shows how black text looks on a background with the XYZ color 19.1854, 11.2919, 29.6021.



This preview shows how white text looks on a background with the XYZ color 19.1854, 11.2919, 29.6021.

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

19.1854, 11.2919, 29.6021

Protanopia

13.3292, 11.5654, 46.3296

Deuteranopia

11.7987, 11.5933, 27.2070



Tritanopia

14.9858, 11.2890, 9.1737

Trichromacy



Original Color

19.1854, 11.2919, 29.6021

Protanomaly

13.5400, 10.2816, 39.7990

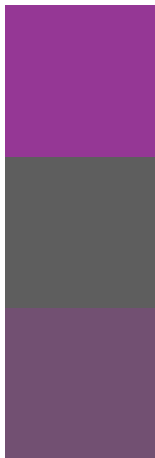
Deuteranomaly

13.3463, 10.5484, 28.1207

Tritanomaly

16.1702, 11.1041, 14.9267

Monochromacy



Original Color

19.1854, 11.2919, 29.6021

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.8454, 10.5296, 17.2750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1854, 11.2919, 29.6021 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(149, 55, 149)` looks like.

```
.text, #text, p{  
    color:rgb(149, 55, 149)  
}
```

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(149, 55, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 55, 149) }
```

Border

The CSS property to change the border of an element to XYZ 19.1854, 11.2919, 29.6021 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(149, 55, 149) }
```


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

```
.border{ border-color:rgb(149, 55, 149) }
```

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

Here you see how a box with a 4 pixel rgb(149, 55, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 55, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 55, 149);  
box-shadow:4px 4px 4px 4px rgb(149, 55,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1854, 11.2919, 29.6021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 55, 149) }
```

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

```
.background{ background-color: rgb(149, 55,  
149) }
```

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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