

Converting Colors

XYZ(29.1192, 15.7607, 85.6225)

Have a look what the booklet for
XYZ(29.1192, 15.7607, 85.6225)
contains.

XYZ(29.1322, 15.8055, 85.5197)	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(29.1322, 15.8055,
85.5197)**

Conversions

Conversions Part 1

Format	Color
Hex	8F3FF2
RGB	143, 63, 242
RGB Percent	56%, 25%, 95%
CMY	0.4392, 0.7529, 0.0510
CMYK	0.41, 0.74, 0.00, 0.05
HSL	267°, 87%, 60%
HSV	267°, 74%, 95%
XYZ	29.1322, 15.8055, 85.5197
YIQ	107.3260, -9.7790, 72.6290

Conversions

Conversions Part 2

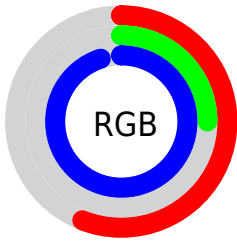
Format	Color
RYB	143, 63, 242
Decimal	9388018
CIELab	46.72, 66.78, -76.39
CIELCh	47, 101.468, 311.158
Yxy	15.8055, 0.2233, 0.1212
Android (android.graphics.Color)	4287578098 (0xFF8F3FF2)
YUV	107.3260, 66.3943, 31.2861
Hunter-Lab	39.7561, 61.2267, -99.7099

Details

The XYZ color **29.1322, 15.8055, 85.5197** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **47.5493, 71.5445, 16.0062**, and the grayscale version is **13.8897, 14.6131, 15.9136**.

A 20% lighter version of the original color is **49.1570, 32.8734, 98.3621**, and **12.1503, 5.2521, 46.2723** is the 20% darker color. If you saturate the color by 10%, you get **25.8938, 12.5647, 85.0652**, and if you desaturate by 10%, it is **33.2371, 20.3665, 86.1841**.

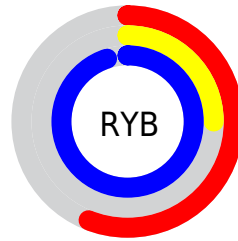
Distribution



Red (56%)

Green (25%)

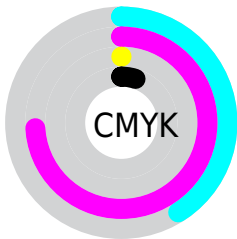
Blue (95%)



Red (56%)

Yellow (25%)

Blue (95%)

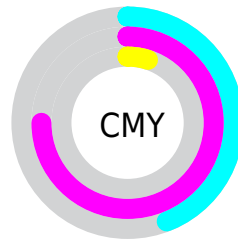


Cyan (41%)

Magenta (74%)

Yellow (0%)

Black (5%)



Cyan (44%)


Magenta (75%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1322, 15.8055, 85.5197 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 29.1322, 15.8055, 85.5197 by changing the saturation by 10% instead.

 29.1322, 15.8055,
85.5197


 29.1322, 15.8055,
85.5197


289.8212,
228.1913, 533.5355

 19.3256, 9.3866,
63.7183


 57.6832, 36.2602,
142.9797

 12.0112, 4.9942,
45.9778


 77.1583, 51.0648,
179.4752


 6.8236, 2.2439,
31.8798


 100.5870, 69.4335,
221.7060

 3.3974, 0.7438,
21.0056

 128.3345, 91.7506,
270.0904

 1.3672, 0.0000,
12.9368

 160.7664,
118.4005, 325.0470

 0.2327, 0.0000,
7.2548

198.2479,

 0.0000, 0.0000,

149.7677, 386.9944

3.5411

241.1444,
186.2365, 456.3510

■ 0.0000, 0.0000,
1.3771

■ 0.0000, 0.0000,
0.1238

■ 29.1322, 15.8055,
85.5197

■ 29.1322, 15.8055,
85.5197

■ 25.8938, 12.5647,
85.0652

■ 33.2371, 20.3665,
86.1841

■ 23.4262, 10.4705,
84.7910

■ 38.2837, 26.3881,
87.0804

■ 22.2310, 9.6091,
84.6878

■ 44.3407, 33.9935,
88.2291

■ 51.4691, 43.2919,
89.6482

■ 59.7245, 54.3828,
91.3538

■ 69.1584, 67.3578,
93.3610

■ 79.8190, 82.3018,
95.6837

■ 91.2385, 98.2688,
98.1637

■ 93.0271, 99.1908,
98.2474

Harmonies

Analogous

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



18.5398, 15.8055, 121.9223



29.1322, 15.8055, 85.5197



37.3922, 15.8055, 38.0752

Triad

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



29.1322, 15.8055, 85.5197



21.1746, 15.8055, 0.0000



3.7879, 15.8055, 28.3903

Complementary

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



29.1322, 15.8055, 85.5197



47.5493, 71.5445, 16.0062

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.



4.0269, 15.8055, 5.8263



29.1322, 15.8055, 85.5197



11.9811, 15.8055, 0.0000

Square

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



29.1322, 15.8055, 85.5197



31.6963, 15.8055, 0.9626



6.4134, 15.8055, 0.2904



5.5469, 15.8055, 72.8373

Rectangle

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



29.1322, 15.8055, 85.5197



39.0753, 15.8055, 16.2485



6.4134, 15.8055, 0.2904



3.6630, 15.8055, 18.2076

Sweetspot

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



29.1331, 15.8060, 85.5201



69.1827, 63.8639, 103.2884



31.4303, 34.1742, 88.9445



14.2245, 12.8749, 21.9853



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.1331, 15.8060, 85.5201



27.5935, 12.7580, 95.6160



50.4593, 26.8001, 86.5182



15.5680, 15.5745, 19.9073



12.0947, 5.2404, 45.5019



1.1190, 0.4941, 3.7906

Inverse Universe

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



44.9170, 25.0410, 36.6472



47.4531, 24.4115, 32.5934



35.5460, 65.3566, 15.4444



16.1387, 15.9052, 18.2866



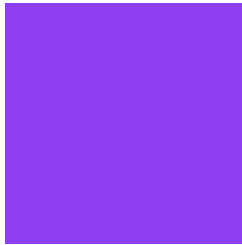
22.0470, 11.0912, 13.4301



1.8842, 0.9427, 1.3808

Previews

White Background



This preview shows how the XYZ color 29.1322, 15.8055, 85.5197 looks on a white background.

Color Contrast Check

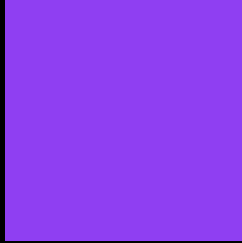
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1322, 15.8055, 85.5197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

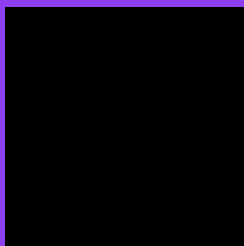
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.1322, 15.8055, 85.5197

Background



This preview shows how black text looks on a background with the XYZ color 29.1322, 15.8055, 85.5197.



This preview shows how white text looks on a background with the XYZ color 29.1322, 15.8055,

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

29.1322, 15.8055, 85.5197

Protanopia

18.8483, 15.9516, 73.3197

Deuteranopia

15.7555, 15.7504, 53.8395



Tritanopia

15.6437, 15.6543, 19.0267

Trichromacy



Original Color

29.1322, 15.8055, 85.5197



Protanomaly

19.5811, 13.9818, 77.2680



Deuteranomaly

17.3920, 13.6679, 64.0089



Tritanomaly

18.8062, 14.6229, 36.0137

Monochromacy



Original Color

29.1322, 15.8055, 85.5197



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

17.4876, 13.8755, 33.2090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1322, 15.8055, 85.5197 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(143, 63, 242)` looks like.

```
.text, #text, p{  
    color:rgb(143, 63, 242)  
}
```

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(143, 63, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 63, 242) }
```

Border

The CSS property to change the border of an element to XYZ 29.1322, 15.8055, 85.5197 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(143, 63, 242) }
```


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

```
.border{ border-color:rgb(143, 63, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 63, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 63, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 63, 242);  
box-shadow:4px 4px 4px 4px rgb(143, 63,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1322, 15.8055, 85.5197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 63, 242) }
```

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

```
.background{ background-color: rgb(143, 63,  
242) }
```

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