

Converting Colors

XYZ(29.5208, 15.1603, 95.9780)

Have a look what the booklet for
XYZ(29.5208, 15.1603, 95.9780)
contains.

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Color

**XYZ(29.5695, 15.1866,
95.9806)**

Conversions

Conversions Part 1

Format	Color
Hex	8837FF
RGB	136, 55, 255
RGB Percent	53%, 22%, 100%
CMY	0.4666, 0.7843, 0.0000
CMYK	0.47, 0.78, 0.00, 0.00
HSL	264°, 100%, 61%
HSV	264°, 78%, 100%
XYZ	29.5695, 15.1866, 95.9806
YIQ	102.0190, -15.9240, 79.3720

Conversions

Conversions Part 2

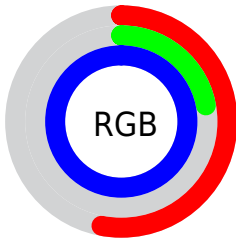
Format	Color
R _Y B	136, 55, 255
Decimal	8927231
CIE Lab	45.89, 72.03, -85.06
CIE LCh	46, 111.465, 310.260
Yxy	15.1866, 0.2101, 0.1079
Android (android.graphics.Color)	4287117311 (0xFF8837FF)
YUV	102.0190, 75.4196, 29.8013
Hunter-Lab	38.9700, 67.2441, -118.7485

Details

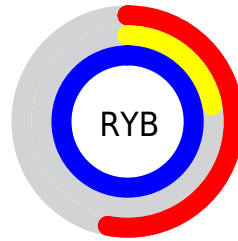
The XYZ color **29.5695, 15.1866, 95.9806** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **53.9038, 80.7938, 16.3681**, and the grayscale version is **12.4473, 13.0955, 14.2610**.

A 20% lighter version of the original color is **47.0231, 30.5946, 98.0347**, and **12.6038, 5.3333, 53.1885** is the 20% darker color. If you saturate the color by 10%, you get **26.3635, 12.1763, 95.5685**, and if you desaturate by 10%, it is **33.7507, 19.6269, 96.6173**.

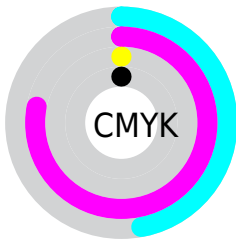
Distribution



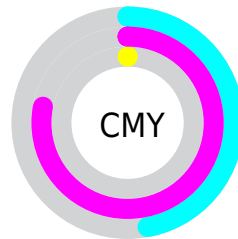
- Red (53%)
- Green (22%)
- Blue (100%)



- Red (53%)
- Yellow (22%)
- Blue (100%)



- Cyan (47%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (78%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5695, 15.1866, 95.9806 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 29.5695, 15.1866, 95.9806 by changing the saturation by 10% instead.


 29.5695, 15.1866,
95.9806


 29.5695, 15.1866,
95.9806


291.8386,
224.4929, 568.3639

 19.6585, 8.9505,
72.3500


 58.3720, 35.1802,
157.6259

 12.2539, 4.7089,
52.9561


 77.9942, 49.7064,
196.4776


 6.9902, 2.0775,
37.3802

 101.5843, 67.7648,
241.2402

 3.5023, 0.6519,
25.2039

 129.5074, 89.7398,
292.3321

 1.4246, 0.0000,
16.0086

 162.1291,
116.0157, 350.1718

 0.2737, 0.0000,
9.3758

199.8146,

 0.0000, 0.0000,

146.9769, 415.1780

4.8870

242.9293,
183.0078, 487.7692

■ 0.0000, 0.0000,
2.1235

■ 0.0000, 0.0000,
0.6297

■ 29.5695, 15.1866,
95.9806

■ 29.5695, 15.1866,
95.9806

■ 26.3635, 12.1763,
95.5685

■ 33.7507, 19.6269,
96.6173

■ 23.9971, 10.3503,
95.3408

■ 39.0030, 25.6726,
97.5074

■ 23.6759, 10.1203,
95.3133

■ 45.4119, 33.4738,
98.6754

■ 53.0523, 43.1625,
100.1428

61.9926, 54.8576,
101.9290

72.2955, 68.6681,
104.0516

84.0197, 84.6949,
106.5272

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



17.9029, 15.1866, 137.8998



29.5695, 15.1866, 95.9806



39.0411, 15.1866, 40.9396

Triad

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



29.5695, 15.1866, 95.9806



21.4488, 15.1866, 0.0000



2.9470, 15.1866, 27.5891

Complementary

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



29.5695, 15.1866, 95.9806



53.9038, 80.7938, 16.3681

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.



3.2236, 15.1866, 4.4822



29.5695, 15.1866, 95.9806



11.4456, 15.1866, 0.0000

Square

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



29.5695, 15.1866, 95.9806



33.1131, 15.1866, 0.4953



5.6145, 15.1866, 0.0000



4.5614, 15.1866, 77.7194

Rectangle

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



29.5695, 15.1866, 95.9806



41.1415, 15.1866, 16.3018



5.6145, 15.1866, 0.0000



2.8479, 15.1866, 16.7717

Sweetspot

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



29.5703, 15.1870, 95.9806



66.3868, 60.7108, 102.8271



34.9554, 38.6920, 100.2337



13.4488, 11.9803, 21.8535



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.



29.5703, 15.1870, 95.9806



24.9563, 11.0403, 95.4234



53.6771, 27.6145, 97.1088



17.6995, 17.7368, 22.7406



12.5295, 5.3697, 49.8107



1.3397, 0.5846, 4.8555

Inverse Universe

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



50.2456, 27.0481, 42.6139



47.5793, 24.0759, 34.4487



39.3512, 73.2917, 15.6870



18.4630, 18.1685, 21.0554



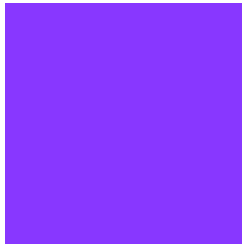
24.5740, 12.3189, 16.9391



2.4468, 1.2211, 1.9345

Previews

White Background



This preview shows how the XYZ color 29.5695, 15.1866, 95.9806 looks on a white background.

Color Contrast Check

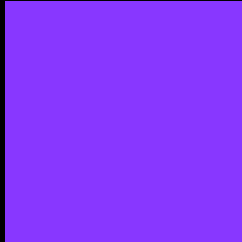
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5695, 15.1866, 95.9806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

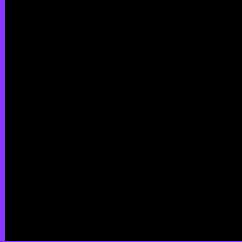
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.5695, 15.1866, 95.9806

Background



This preview shows how black text looks on a background with the XYZ color 29.5695, 15.1866, 95.9806.



This preview shows how white text looks on a background with the XYZ color 29.5695, 15.1866,

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

29.5695, 15.1866, 95.9806

Protanopia

17.9698, 15.2705, 69.7105

Deuteranopia

14.8697, 15.0430, 50.2640



Tritanopia

14.1055, 15.0120, 19.2937

Trichromacy



Original Color

29.5695, 15.1866, 95.9806



Protanomaly

19.3828, 13.3526, 78.6465



Deuteranomaly

17.0179, 12.9392, 64.5514



Tritanomaly

17.5797, 13.5493, 38.7345

Monochromacy



Original Color

29.5695, 15.1866, 95.9806



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

16.3595, 12.5430, 33.9066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5695, 15.1866, 95.9806 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(136, 55, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 55, 255)  
}
```

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(136, 55, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 55, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.5695, 15.1866, 95.9806 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(136, 55, 255) }
```


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

```
.border{ border-color:rgb(136, 55, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 55, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 55, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 55, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 55,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5695, 15.1866, 95.9806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 55, 255) }
```

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

```
.background{ background-color: rgb(136, 55,  
255) }
```

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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