

Converting Colors

XYZ(29.3777, 13.0596, 95.5801)

Have a look what the booklet for
XYZ(29.3777, 13.0596, 95.5801)
contains.

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Color

**XYZ(29.3777, 13.0596,
95.5801)**

Conversions

Conversions Part 1

Format	Color
Hex	8F00FF
RGB	143, 0, 255
RGB Percent	56%, 0%, 100%
CMY	0.4392, 1.0000, 0.0000
CMYK	0.44, 1.00, 0.00, 0.00
HSL	274°, 100%, 50%
HSV	274°, 100%, 100%
XYZ	29.3777, 13.0596, 95.5801
YIQ	71.8270, 3.3730, 109.6210

Conversions

Conversions Part 2

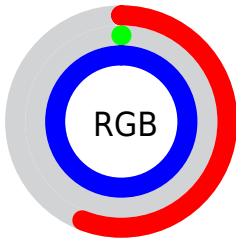
Format	Color
RYB	143, 0, 255
Decimal	9371903
CIELab	42.85, 84.39, -90.03
CIElCh	43, 123.394, 313.147
Yxy	13.0596, 0.2129, 0.0946
Android (android.graphics.Color)	4287561983 (0xFF8F00FF)
YUV	71.8270, 90.3043, 62.4187
Hunter-Lab	36.1381, 81.8663, -131.5170

Details

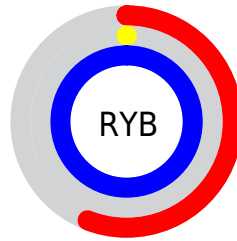
The XYZ color **29.3777, 13.0596, 95.5801** is a dark color, and the websafe version is hex **9900FF**, and the color name is **electric violet**. The color can be described as dark saturated purple. A complement of this color would be **42.4414, 74.9644, 12.2327**, and the grayscale version is **5.9809, 6.2924, 6.8524**.

A 20% lighter version of the original color is **46.7521, 26.8388, 97.3240**, and **13.0585, 5.5677, 53.2097** is the 20% darker color. If you saturate the color by 10%, you get **29.3786, 13.0601, 95.5802**, and if you desaturate by 10%, it is **31.7738, 14.8270, 95.7950**.

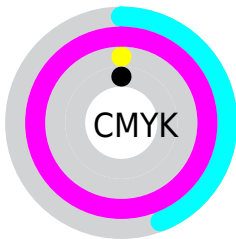
Distribution



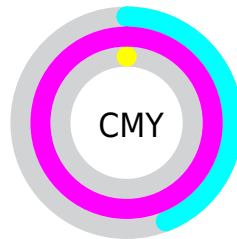
- Red (56%)
- Green (0%)
- Blue (100%)



- Red (56%)
- Yellow (0%)
- Blue (100%)



- Cyan (44%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3777, 13.0596, 95.5801 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 29.3777, 13.0596, 95.5801 by changing the saturation by 10% instead.


 29.3777, 13.0596,
95.5801


 29.3777, 13.0596,
95.5801


290.9551,
211.2993, 567.0522

 19.5124, 7.4696,
72.0183


 58.0701, 31.4108,
157.0683


 12.1473, 3.7575,
52.6867


 77.6279, 44.9408,
195.8317


 6.9170, 1.5388,
37.1667

 101.1472, 61.8863,
240.4995

 3.4561, 0.3158,
25.0398

 128.9935, 82.6316,
291.4902

 1.3993, 0.0000,
15.8874

 161.5321,
107.5612, 349.2222

 0.2557, 0.0000,
9.2910

 199.1283,

 0.0000, 0.0000,

137.0594, 414.1142

4.8321

242.1475,
171.5106, 486.5847

■ 0.0000, 0.0000,
2.0921

■ 0.0000, 0.0000,
0.6110

■ 29.3777, 13.0596,
95.5801

■ 29.3777, 13.0596,
95.5801

■ 29.3786, 13.0601,
95.5802

■ 31.7738, 14.8270,
95.7950

■ 34.8351, 17.6304,
96.1747

■ 38.7103, 21.7587,
96.7673

■ 43.4919, 27.3891,
97.6021

■ 49.2580, 34.6707,
98.7037

■ 56.0772, 43.7338,
100.0936

■ 64.0113, 54.6954,
101.7912

■ 73.1170, 67.6623,
103.8142

■ 83.4469, 82.7332,
106.1787

Harmonies

Analogous

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



17.0053, 13.0596, 148.1686



29.3777, 13.0596, 95.5801



39.0709, 13.0596, 35.1847

Triad

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



29.3777, 13.0596, 95.5801



18.4395, 13.0596, 0.0000



1.8098, 13.0596, 29.5834

Complementary

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



29.3777, 13.0596, 95.5801



42.4414, 74.9644, 12.2327

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.



1.8951, 13.0596, 3.8592



29.3777, 13.0596, 95.5801



8.7318, 13.0596, 0.0000

Square

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



29.3777, 13.0596, 95.5801



30.8734, 13.0596, 0.0000



3.6892, 13.0596, 0.0000



3.3324, 13.0596, 87.3779

Rectangle

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



29.3777, 13.0596, 95.5801



40.7054, 13.0596, 11.5576



3.6892, 13.0596, 0.0000



1.6887, 13.0596, 17.2620

Sweetspot

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



29.3786, 13.0601, 95.5802



64.0113, 54.6954, 101.7912



24.1523, 19.4245, 97.0841



12.9551, 10.6668, 21.6260



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.



29.3786, 13.0601, 95.5802



57.3046, 27.6858, 86.5250



17.9776, 17.8802, 22.7536



15.5255, 6.9142, 49.9509



1.6372, 0.7379, 4.8694

Inverse Universe

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



44.1643, 22.4297, 17.3294



35.8310, 71.5484, 12.2941



18.3408, 18.1196, 20.4116



23.1489, 11.7488, 9.4344



2.3077, 1.1655, 1.2019

Previews

White Background



This preview shows how the XYZ color 29.3777, 13.0596, 95.5801 looks on a white background.

Color Contrast Check

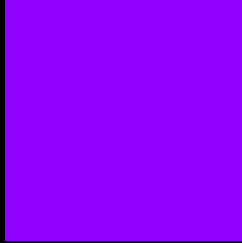
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3777, 13.0596, 95.5801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

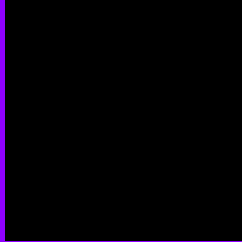
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.3777, 13.0596, 95.5801

Background



This preview shows how black text looks on a background with the XYZ color 29.3777, 13.0596, 95.5801.



This preview shows how white text looks on a background with the XYZ color 29.3777, 13.0596,

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

29.3777, 13.0596, 95.5801

Protanopia

15.8470, 13.4777, 61.4407

Deuteranopia

13.0875, 13.3175, 44.0002



Tritanopia

13.4224, 13.2364, 15.7574

Trichromacy



Original Color

29.3777, 13.0596, 95.5801



Protanomaly

16.7843, 9.7213, 72.2259



Deuteranomaly

14.5639, 9.2006, 59.4008



Tritanomaly

16.0957, 10.1932, 34.8374

Monochromacy



Original Color

29.3777, 13.0596, 95.5801



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.6742, 6.4147, 25.1017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3777, 13.0596, 95.5801 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, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 0, 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(143, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.3777, 13.0596, 95.5801 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, 0, 255) }
```

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

```
.border{ border-color:rgb(143, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(143, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3777, 13.0596, 95.5801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 0, 255) }
```

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

```
.background{ background-color: rgb(143, 0,  
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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