

Converting Colors

$Y_{xy}(27.9081, 0.2515, 0.1662)$

Have a look what the booklet for
Yxy(27.9081, 0.2515, 0.1662)
contains.

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Color

Yxy(27.9556, 0.2514, 0.1665)

Conversions

Conversions Part 1

Format	Color
Hex	B36EFF
RGB	179, 110, 255
RGB Percent	70%, 43%, 100%
CMY	0.2980, 0.5686, 0.0002
CMYK	0.30, 0.57, 0.00, 0.00
HSL	269°, 100%, 72%
HSV	269°, 57%, 100%
XYZ	42.2104, 27.9556, 97.7355
YIQ	147.1610, -5.4210, 59.7230

Conversions

Conversions Part 2

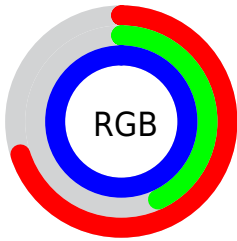
Format	Color
R _Y B	179, 110, 255
Decimal	11759359
CIE Lab	59.85, 54.54, -62.15
CIE LCh	60, 82.690, 311.267
Yxy	27.9556, 0.2514, 0.1665
Android (android.graphics.Color)	4289949439 (0xFFB36EFF)
YUV	147.1610, 53.1646, 27.9228
Hunter-Lab	52.8731, 49.9750, -72.5860

Details

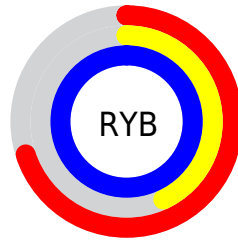
The Yxy color **27.9556, 0.2514, 0.1665** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **83.0474, 0.3468, 0.4899**, and the grayscale version is **29.0277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9481, 0.3031, 0.2365**, and **11.1223, 0.2304, 0.1316** is the 20% darker color. If you saturate the color by 10%, you get **21.7077, 0.2375, 0.1397**, and if you desaturate by 10%, it is **35.9419, 0.2649, 0.1959**.

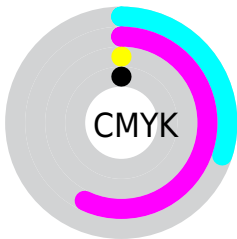
Distribution



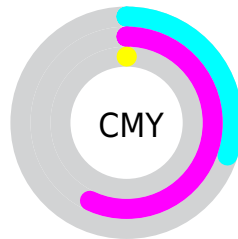
- Red (70%)
- Green (43%)
- Blue (100%)



- Red (70%)
- Yellow (43%)
- Blue (100%)



- Cyan (30%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)




- Cyan (30%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9556, 0.2514, 0.1665 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 Yxy color 27.9556, 0.2514, 0.1665 by changing the saturation by 10% instead.


 27.9556, 0.2514,
0.1665


 27.9556, 0.2514,
0.1665


292.2547, 0.2856,
0.2410


 18.2922, 0.2423,
0.1505


 56.4135, 0.2643,
0.1917


 11.1600, 0.2306,
0.1315


 75.9769, 0.2691,
0.2017

 6.1745, 0.2151,
0.1089


 99.6090, 0.2730,
0.2105

 2.9515, 0.1939,
0.0824

 127.6942, 0.2763,
0.2181

 1.1065, 0.1645,
0.0524

160.6170, 0.2792,
0.2248

 0.0000, 0.1263,
0.0000

198.7618, 0.2816,


 0.0000, 0.0488,


0.2308

0.0000


242.5129, 0.2837,
0.2362

 0.0000, 0.0000,
0.0000


 27.9556, 0.2514,
0.1665

 27.9556, 0.2514,
0.1665


 21.7077, 0.2375,
0.1397

 35.9419, 0.2649,
0.1959


 17.0508, 0.2237,
0.1169


 45.7910, 0.2775,
0.2262


 13.8172, 0.2107,
0.0996

 57.6189, 0.2889,
0.2563

 11.7944, 0.1992,
0.0881

 71.5314, 0.2989,
0.2850

 11.3079, 0.1958,
0.0852

 87.6264, 0.3075,
0.3119

99.9967, 0.3127,
0.3290

Harmonies

Analogous

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



27.9556, 0.1632, 0.1486



27.9556, 0.2514, 0.1665



27.9556, 0.3846, 0.2125

Triad

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



27.9556, 0.2514, 0.1665



27.9556, 0.5289, 0.4402



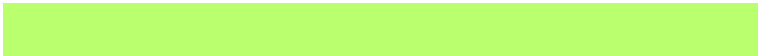
27.9556, 0.1371, 0.3392

Complementary

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



27.9556, 0.2514, 0.1665



83.0474, 0.3468, 0.4899

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.



27.9556, 0.2123, 0.5079



27.9556, 0.2514, 0.1665



27.9556, 0.4352, 0.5330

Square

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



27.9556, 0.2514, 0.1665



27.9556, 0.5686, 0.3549



27.9556, 0.3220, 0.5858



27.9556, 0.1097, 0.2172

Rectangle

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



27.9556, 0.2514, 0.1665



27.9556, 0.4777, 0.2556



27.9556, 0.3220, 0.5858



27.9556, 0.1566, 0.3950

Sweetspot

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



27.9566, 0.2514, 0.1665



71.3358, 0.2987, 0.2846



46.2066, 0.2230, 0.2435



14.6348, 0.2968, 0.2790



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



27.9566, 0.2514, 0.1665



21.1021, 0.2358, 0.1368



38.7178, 0.3146, 0.1931



17.8018, 0.3054, 0.3050



5.9988, 0.1975, 0.0862



0.6486, 0.2099, 0.0930

Inverse Universe

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



35.9490, 0.3918, 0.2531



30.2306, 0.4160, 0.2432



76.2481, 0.3063, 0.5120



18.1461, 0.3212, 0.3166



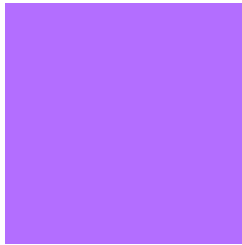
12.0330, 0.4863, 0.2452



1.1937, 0.4622, 0.2320

Previews

White Background



This preview shows how the Yxy color 27.9556, 0.2514, 0.1665 looks on a white background.

Color Contrast Check

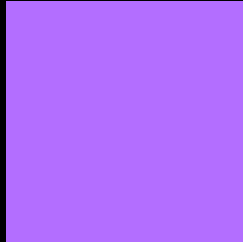
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 27.9556, 0.2514, 0.1665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

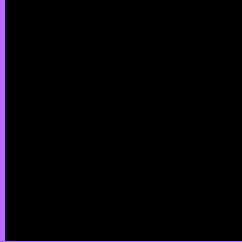
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9556, 0.2514, 0.1665

Background



This preview shows how black text looks on a background with the Yxy color 27.9556, 0.2514, 0.1665.



This preview shows how white text looks on a background with the Yxy color 27.9556, 0.2514, 0.1665.

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

27.9556, 0.2514, 0.1665

Protanopia

28.4434, 0.2004, 0.1793

Deuteranopia

28.4933, 0.1955, 0.1891



Tritanopia

27.7178, 0.3245, 0.3122

Trichromacy



Original Color

27.9556, 0.2514, 0.1665



Protanomaly

27.3228, 0.2136, 0.1713



Deuteranomaly

26.8659, 0.2076, 0.1750



Tritanomaly

27.1762, 0.2935, 0.2453

Monochromacy



Original Color

27.9556, 0.2514, 0.1665



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.9663, 0.2885, 0.2546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9556, 0.2514, 0.1665 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(179, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 110, 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(179, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 110, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.9556, 0.2514, 0.1665 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(179, 110, 255) }
```

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

```
.border{ border-color:rgb(179, 110, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 110, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 110,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9556, 0.2514, 0.1665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 110, 255) }
```

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

```
.background{ background-color: rgb(179,  
110, 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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