

Converting Colors

$Y_{xy}(46.2939, 0.2278, 0.1722)$

Have a look what the booklet for
Yxy(46.2939, 0.2278, 0.1722)
contains.

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Color

Yxy(41.6188, 0.2592, 0.2177)

Conversions

Conversions Part 1

Format	Color
Hex	B69EFF
RGB	182, 158, 255
RGB Percent	71%, 62%, 100%
CMY	0.2865, 0.3803, 0.0001
CMYK	0.29, 0.38, 0.00, 0.00
HSL	255°, 100%, 81%
HSV	255°, 38%, 100%
XYZ	49.5526, 41.6188, 100.0036
YIQ	176.2340, -16.8330, 35.2550

Conversions

Conversions Part 2

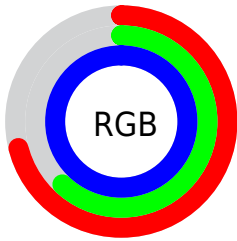
Format	Color
RYB	182, 158, 255
Decimal	11968255
CIELab	70.61, 29.11, -45.09
CIELCh	71, 53.668, 302.851
Yxy	41.6188, 0.2592, 0.2177
Android (android.graphics.Color)	4290158335 (0xFFB69EFF)
YUV	176.2340, 38.8316, 5.0568
Hunter-Lab	64.5126, 24.2099, -46.7490

Details

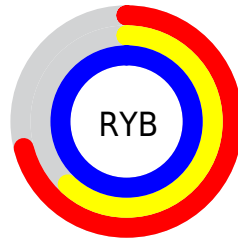
The Yxy color **41.6188, 0.2592, 0.2177** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.9711, 0.3536, 0.4294**, and the grayscale version is **43.3425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3338, 0.3041, 0.2867**, and **18.8973, 0.2439, 0.1913** is the 20% darker color. If you saturate the color by 10%, you get **31.6240, 0.2414, 0.1843**, and if you desaturate by 10%, it is **53.7419, 0.2757, 0.2502**.

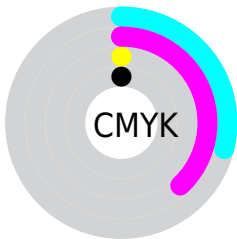
Distribution



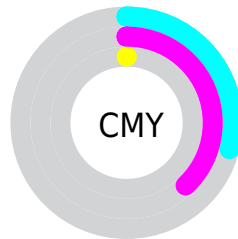
- Red (71%)
- Green (62%)
- Blue (100%)



- Red (71%)
- Yellow (62%)
- Blue (100%)



- Cyan (29%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6188, 0.2592, 0.2177 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 41.6188, 0.2592, 0.2177 by changing the saturation by 10% instead.


 41.6188, 0.2592,
0.2177

 41.6188, 0.2592,
0.2177


352.9003, 0.2866,
0.2694

 28.8029, 0.2524,
0.2061


 77.6224, 0.2692,
0.2355

 18.9318, 0.2437,
0.1919


 101.5788, 0.2729,
0.2425

 11.6210, 0.2324,
0.1744


130.0176, 0.2761,
0.2486

 6.4862, 0.2172,
0.1522

163.3232, 0.2788,
0.2538

 3.1429, 0.1958,
0.1240

201.8798, 0.2812,
0.2584

 1.2068, 0.1649,
0.0880

246.0719, 0.2832,

 0.0672, 0.1231,

0.2625

0.0107

296.2839, 0.2850,
0.2662

0.0000, 0.0000,
0.0000

41.6188, 0.2592,
0.2177

41.6188, 0.2592,
0.2177

31.6240, 0.2414,
0.1843

53.7419, 0.2757,
0.2502

23.6274, 0.2231,
0.1518

68.1036, 0.2905,
0.2807

17.4918, 0.2051,
0.1221

84.8121, 0.3035,
0.3087

13.0599, 0.1886,
0.0974

99.9981, 0.3127,
0.3290

10.1477, 0.1748,
0.0794

■ 8.5096, 0.1644,
0.0686

■ 8.2706, 0.1627,
0.0670

Harmonies

Analogous

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



41.6188, 0.2064, 0.2126



41.6188, 0.2592, 0.2177



41.6188, 0.3342, 0.2450

Triad

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



41.6188, 0.2592, 0.2177



41.6188, 0.4614, 0.4012



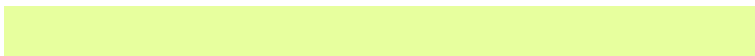
41.6188, 0.2175, 0.3643

Complementary

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



41.6188, 0.2592, 0.2177



90.9711, 0.3536, 0.4294

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.



41.6188, 0.2781, 0.4412



41.6188, 0.2592, 0.2177



41.6188, 0.4196, 0.4511

Square

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



41.6188, 0.2592, 0.2177



41.6188, 0.4604, 0.3441



41.6188, 0.3522, 0.4727



41.6188, 0.1844, 0.2854

Rectangle

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



41.6188, 0.2592, 0.2177



41.6188, 0.3875, 0.2733



41.6188, 0.3522, 0.4727



41.6188, 0.2351, 0.3924

Sweetspot

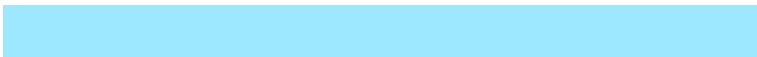
The Sweet Spot groups the original color and five complimentary colors.



41.6204, 0.2592, 0.2177



79.6007, 0.2998, 0.3006



72.4020, 0.2558, 0.3031



16.5436, 0.2981, 0.2969



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.



41.6204, 0.2592, 0.2177



33.4856, 0.2451, 0.1911



48.3610, 0.2960, 0.2285



17.5940, 0.3017, 0.3047



4.3807, 0.1640, 0.0677



0.4750, 0.1748, 0.0737

Inverse Universe

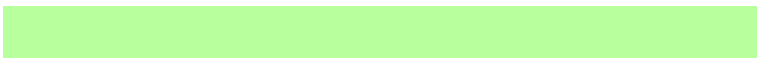
The Inverse Universe completely reimagines the original color for something new.



51.4927, 0.3371, 0.2557



44.8461, 0.3439, 0.2409



84.1469, 0.3226, 0.4402



18.2193, 0.3176, 0.3113



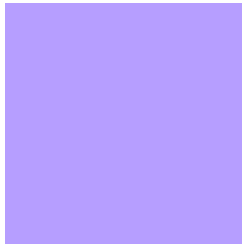
13.1252, 0.3953, 0.1951



1.2953, 0.3849, 0.1894

Previews

White Background



This preview shows how the Yxy color 41.6188, 0.2592, 0.2177 looks on a white background.

Color Contrast Check

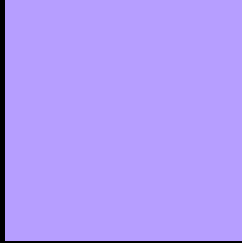
Large Text (above 18pt) WCAG AA × Fail

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 41.6188, 0.2592, 0.2177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

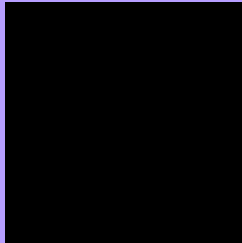
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6188, 0.2592, 0.2177

Background



This preview shows how black text looks on a background with the Yxy color 41.6188, 0.2592, 0.2177.



This preview shows how white text looks on a background with the Yxy color 41.6188, 0.2592, 0.2177.

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

41.6188, 0.2592, 0.2177

Protanopia

41.8987, 0.2359, 0.2250

Deuteranopia

41.7295, 0.2353, 0.2286



Tritanopia

41.3750, 0.2979, 0.3100

Trichromacy



Original Color

41.6188, 0.2592, 0.2177

Protanomaly

41.7615, 0.2438, 0.2224

Deuteranomaly

41.3328, 0.2429, 0.2237

Tritanomaly

41.2248, 0.2828, 0.2724

Monochromacy



Original Color

41.6188, 0.2592, 0.2177

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.2487, 0.2916, 0.2827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6188, 0.2592, 0.2177 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(182, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 158, 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(182, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 158, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.6188, 0.2592, 0.2177 is called "border". The border property can be set on classes, ids or directly on the HTML element.

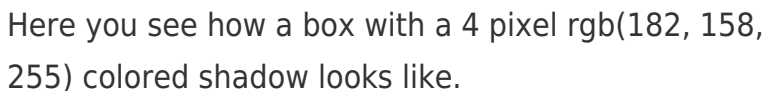
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(182, 158, 255) }
```

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

```
.border{ border-color:rgb(182, 158, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(182, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 158, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 158, 255); box-shadow:4px 4px 4px 4px rgb(182, 158, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6188, 0.2592, 0.2177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 158, 255) }
```

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

```
.background{ background-color: rgb(182,  
158, 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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