

Converting Colors

$Y_{xy}(18.2821, 0.2511, 0.1278)$

Have a look what the booklet for
Yxy(18.2821, 0.2511, 0.1278)
contains.

Yxy(18.2821, 0.2511, 0.1278)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(18.2821, 0.2511, 0.1278)

Conversions

Conversions Part 1

Format	Color
Hex	B132F6
RGB	177, 50, 246
RGB Percent	69%, 20%, 96%
CMY	0.3056, 0.8043, 0.0352
CMYK	0.28, 0.80, 0.00, 0.04
HSL	279°, 92%, 58%
HSV	279°, 80%, 96%
XYZ	35.9205, 18.2821, 88.8499
YIQ	110.3170, 12.7760, 87.8800

Conversions

Conversions Part 2

Format	Color
R _Y B	177, 50, 246
Decimal	11612918
CIE Lab	49.84, 77.72, -73.38
CIE LCh	50, 106.889, 316.644
Yxy	18.2821, 0.2511, 0.1278
Android (android.graphics.Color)	4289802998 (0xFFB132F6)
YUV	110.3170, 66.8917, 58.4810
Hunter-Lab	42.7576, 75.1314, -93.2738

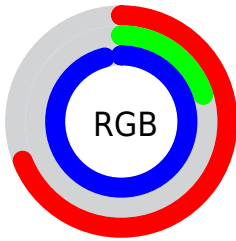
Details

The Yxy color **18.2821, 0.2511, 0.1278** is a light color, and the websafe version is hex **CC33FF**.

The color can be described as light washed purple. A complement of this color would be **70.0731, 0.3275, 0.5581**, and the grayscale version is **15.4789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7660, 0.3035, 0.1892**, and **7.4127, 0.2281, 0.1030** is the 20% darker color. If you saturate the color by 10%, you get **15.7337, 0.2417, 0.1145**, and if you desaturate by 10%, it is **22.0239, 0.2608, 0.1461**.

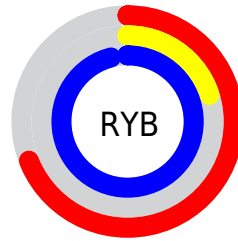
Distribution



Red (69%)

Green (20%)

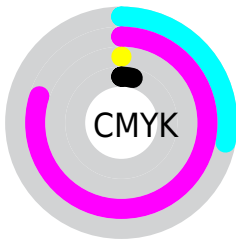
Blue (96%)



Red (69%)

Yellow (20%)

Blue (96%)

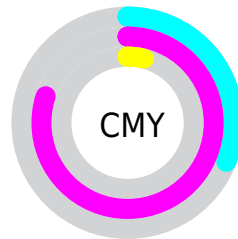


Cyan (28%)

Magenta (80%)

Yellow (0%)

Black (4%)



Cyan (31%)

Magenta (80%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2821, 0.2511, 0.1278 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 18.2821, 0.2511, 0.1278 by changing the saturation by 10% instead.


 18.2821, 0.2511,
0.1278


 18.2821, 0.2511,
0.1278


242.4563, 0.2890,
0.2190

 11.1527, 0.2403,
0.1092


 40.5174, 0.2661,
0.1580


 6.1696, 0.2259,
0.0879


 56.3922, 0.2714,
0.1703

 2.9485, 0.2066,
0.0640


 75.9508, 0.2758,
0.1810

 1.1049, 0.1799,
0.0387

 99.5777, 0.2794,
0.1904

 0.0000, 0.1455,
0.0000

 127.6574, 0.2824,
0.1988

 0.0000, 0.0948,
0.0000

160.5741, 0.2850,

 0.0000, 0.0000,

0.2063

0.0000

198.7123, 0.2871,
0.2130

■ 18.2821, 0.2511,
0.1278

■ 18.2821, 0.2511,
0.1278

■ 15.7337, 0.2417,
0.1145

■ 22.0239, 0.2608,
0.1461

■ 14.1196, 0.2329,
0.1058

■ 27.1172, 0.2704,
0.1687

■ 14.0795, 0.2327,
0.1055

■ 33.6970, 0.2795,
0.1944

■ 41.8813, 0.2880,
0.2220

■ 51.7759, 0.2956,
0.2502

63.4774, 0.3023,
0.2780

77.0748, 0.3080,
0.3047

92.6515, 0.3128,
0.3297

99.4220, 0.3179,
0.3376

Harmonies

Analogous

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



18.2821, 0.1321, 0.1022



18.2821, 0.2511, 0.1278



18.2821, 0.4499, 0.1855

Triad

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



18.2821, 0.2511, 0.1278



18.2821, 0.5497, 0.4503



18.2821, 0.0714, 0.2876

Complementary

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



18.2821, 0.2511, 0.1278



70.0731, 0.3275, 0.5581

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.



18.2821, 0.1371, 0.5671



18.2821, 0.2511, 0.1278



18.2821, 0.4029, 0.5971

Square

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



18.2821, 0.2511, 0.1278



18.2821, 0.6475, 0.3417



18.2821, 0.2577, 0.7083



18.2821, 0.0587, 0.1517

Rectangle

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



18.2821, 0.2511, 0.1278



18.2821, 0.5821, 0.2360



18.2821, 0.2577, 0.7083



18.2821, 0.0857, 0.3679

Sweetspot

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



18.2828, 0.2511, 0.1278



63.1190, 0.2995, 0.2661



21.2048, 0.1829, 0.1558



12.5575, 0.2971, 0.2561



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.



18.2828, 0.2511, 0.1278



15.8672, 0.2360, 0.1085



27.0322, 0.3489, 0.1812



16.4598, 0.3082, 0.3053



7.5942, 0.2341, 0.1063



0.7247, 0.2450, 0.1123

Inverse Universe

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



23.1999, 0.4978, 0.2719



22.3312, 0.5506, 0.2828



67.1291, 0.2949, 0.5564



16.5788, 0.3238, 0.3207



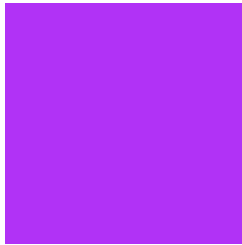
10.8449, 0.5572, 0.2843



0.9719, 0.5225, 0.2652

Previews

White Background



This preview shows how the Yxy color 18.2821, 0.2511, 0.1278 looks on a white background.

Color Contrast Check

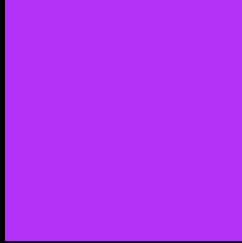
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.2821, 0.2511, 0.1278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

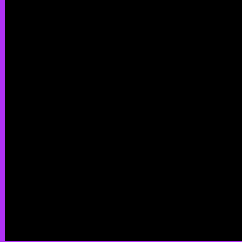
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2821, 0.2511, 0.1278

Background



This preview shows how black text looks on a background with the Yxy color 18.2821, 0.2511, 0.1278.



This preview shows how white text looks on a background with the Yxy color 18.2821, 0.2511, 0.1278.

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

18.2821, 0.2511, 0.1278

Deuteranopia

18.3779, 0.1838, 0.1817

Tritanopia

18.2416, 0.3741, 0.3175

Trichromacy



Original Color

18.2821, 0.2511, 0.1278



Deuteranomaly

14.6562, 0.1844, 0.1374



Tritanomaly

16.8567, 0.3206, 0.2180

Monochromacy



Original Color

18.2821, 0.2511, 0.1278



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

14.5510, 0.2850, 0.2118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2821, 0.2511, 0.1278 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(177, 50, 246)` looks like.

```
.text, #text, p{  
    color:rgb(177, 50, 246)  
}
```

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(177, 50, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 50, 246) }
```

Border

The CSS property to change the border of an element to Yxy 18.2821, 0.2511, 0.1278 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(177, 50, 246) }
```

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

```
.border{ border-color:rgb(177, 50, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 50, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 50, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 50, 246);  
box-shadow:4px 4px 4px 4px rgb(177, 50,  
246) }
```

Background

The CSS property to change the background color of an element to Yxy 18.2821, 0.2511, 0.1278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 50, 246) }
```

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

```
.background{ background-color: rgb(177, 50,  
246) }
```

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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