

Converting Colors

$Y_{xy}(20.1284, 0.2539, 0.1395)$

Have a look what the booklet for
Yxy(20.1284, 0.2539, 0.1395)
contains.

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Color

Yxy(20.1350, 0.2536, 0.1396)

Conversions

Conversions Part 1

Format	Color
Hex	B145F4
RGB	177, 69, 244
RGB Percent	69%, 27%, 96%
CMY	0.3060, 0.7292, 0.0433
CMYK	0.27, 0.72, 0.00, 0.04
HSL	277°, 89%, 61%
HSV	277°, 72%, 96%
XYZ	36.5776, 20.1350, 87.5209
YIQ	121.2420, 8.1930, 77.3210

Conversions

Conversions Part 2

Format	Color
RYB	177, 69, 244
Decimal	11617780
CIELab	51.99, 70.63, -68.73
CIElCh	52, 98.554, 315.779
Yxy	20.1350, 0.2536, 0.1396
Android (android.graphics.Color)	4289807860 (0xFFB145F4)
YUV	121.2420, 60.5197, 48.8998
Hunter-Lab	44.8720, 66.9789, -84.2321

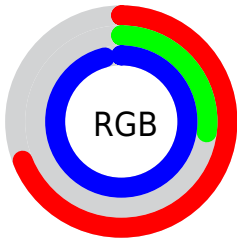
Details

The Yxy color **20.1350, 0.2536, 0.1396** is a light color, and the websafe version is hex **CC33FF**.

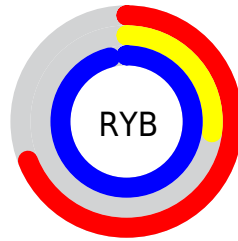
The color can be described as light washed purple. A complement of this color would be **70.3525, 0.3330, 0.5376**, and the grayscale version is **19.0081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1462, 0.3026, 0.2010**, and **7.4394, 0.2301, 0.1041** is the 20% darker color. If you saturate the color by 10%, you get **16.6634, 0.2432, 0.1216**, and if you desaturate by 10%, it is **24.9163, 0.2641, 0.1621**.

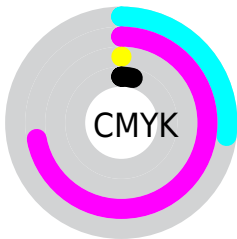
Distribution



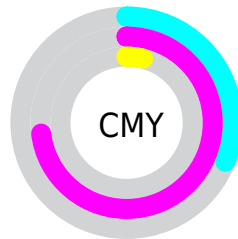
- Red (69%)
- Green (27%)
- Blue (96%)



- Red (69%)
- Yellow (27%)
- Blue (96%)



- Cyan (27%)
- Magenta (72%)
- Yellow (0%)
- Black (4%)





- Cyan (31%)
- Magenta (73%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1350, 0.2536, 0.1396 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 20.1350, 0.2536, 0.1396 by changing the saturation by 10% instead.

 20.1350, 0.2536,
0.1396


 20.1350, 0.2536,
0.1396


252.6450, 0.2894,
0.2264


 12.4932, 0.2434,
0.1214


 43.6434, 0.2677,
0.1687

 7.0805, 0.2300,
0.1002


 60.2788, 0.2727,
0.1804


 3.5125, 0.2118,
0.0760


 80.6809, 0.2768,
0.1906

 1.4048, 0.1866,
0.0493

 105.2340, 0.2802,
0.1995

 0.2203, 0.1527,
0.0136

 134.3226, 0.2830,
0.2075

 0.0000, 0.1034,
0.0000


168.3310, 0.2855,


 0.0000, 0.0000,


0.2145


0.0000


207.6437, 0.2875,
0.2208


 20.1350, 0.2536,
0.1396


 20.1350, 0.2536,
0.1396


 16.6634, 0.2432,
0.1216


 24.9163, 0.2641,
0.1621

 14.3358, 0.2332,
0.1088

 31.1413, 0.2742,
0.1878

 13.0617, 0.2254,
0.1016

 38.9292, 0.2837,
0.2157

 48.3861, 0.2923,
0.2442

 59.6084, 0.2998,
0.2724

72.6852, 0.3063,
0.2995

87.6994, 0.3119,
0.3249

98.6952, 0.3171,
0.3396

99.3097, 0.3191,
0.3396

Harmonies

Analogous

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



20.1350, 0.1423, 0.1152



20.1350, 0.2536, 0.1396



20.1350, 0.4321, 0.1950

Triad

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



20.1350, 0.2536, 0.1396



20.1350, 0.5467, 0.4533



20.1350, 0.0888, 0.3018

Complementary

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



20.1350, 0.2536, 0.1396



70.3525, 0.3330, 0.5376

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.



20.1350, 0.1586, 0.5450



20.1350, 0.2536, 0.1396



20.1350, 0.4162, 0.5838

Square

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



20.1350, 0.2536, 0.1396



20.1350, 0.6260, 0.3500



20.1350, 0.2784, 0.6700



20.1350, 0.0722, 0.1693

Rectangle

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



20.1350, 0.2536, 0.1396



20.1350, 0.5518, 0.2442



20.1350, 0.2784, 0.6700



20.1350, 0.1049, 0.3746

Sweetspot

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



20.1357, 0.2536, 0.1396



65.4301, 0.2996, 0.2714



25.4357, 0.1943, 0.1791



13.2445, 0.2976, 0.2638



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.



20.1357, 0.2536, 0.1396



17.1201, 0.2386, 0.1152



28.8490, 0.3415, 0.1865



16.4328, 0.3076, 0.3052



7.1853, 0.2269, 0.1024



0.6905, 0.2385, 0.1088

Inverse Universe

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



25.2704, 0.4617, 0.2659



23.8528, 0.5083, 0.2681



66.6788, 0.2958, 0.5386



16.5876, 0.3233, 0.3200



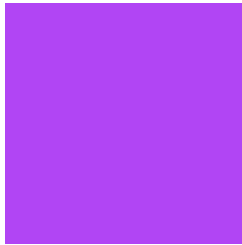
10.9169, 0.5448, 0.2775



0.9789, 0.5110, 0.2589

Previews

White Background



This preview shows how the Yxy color 20.1350, 0.2536, 0.1396 looks on a white background.

Color Contrast Check

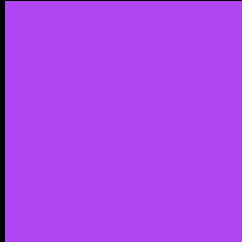
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1350, 0.2536, 0.1396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

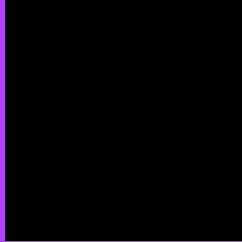
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1350, 0.2536, 0.1396

Background



This preview shows how black text looks on a background with the Yxy color 20.1350, 0.2536, 0.1396.



This preview shows how white text looks on a background with the Yxy color 20.1350, 0.2536, 0.1396.

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

20.1350, 0.2536, 0.1396

Protanopia

20.5248, 0.1739, 0.1460

Deuteranopia

20.4527, 0.1835, 0.1807



Tritanopia

20.0123, 0.3615, 0.3160

Trichromacy



Original Color

20.1350, 0.2536, 0.1396



Protanomaly

17.2995, 0.1795, 0.1293



Deuteranomaly

17.1112, 0.1863, 0.1479



Tritanomaly

18.9749, 0.3162, 0.2282

Monochromacy



Original Color

20.1350, 0.2536, 0.1396



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

17.9186, 0.2867, 0.2272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1350, 0.2536, 0.1396 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, 69, 244)` looks like.

```
.text, #text, p{  
    color:rgb(177, 69, 244)  
}
```

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, 69, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 69, 244) }
```

Border

The CSS property to change the border of an element to Yxy 20.1350, 0.2536, 0.1396 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, 69, 244) }
```

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

```
.border{ border-color:rgb(177, 69, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 69, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 69, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 69, 244);  
box-shadow:4px 4px 4px 4px rgb(177, 69,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1350, 0.2536, 0.1396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 69, 244) }
```

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

```
.background{ background-color: rgb(177, 69,  
244) }
```

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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