

Converting Colors

$Y_{xy}(25.7651, 0.2921, 0.1487)$

Have a look what the booklet for
Yxy(25.7651, 0.2921, 0.1487)
contains.

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Color

Yxy(25.7564, 0.2920, 0.1487)

Conversions

Conversions Part 1

Format	Color
Hex	E233FF
RGB	226, 51, 255
RGB Percent	89%, 20%, 100%
CMY	0.1140, 0.7994, 0.0002
CMYK	0.11, 0.80, 0.00, 0.00
HSL	291°, 100%, 60%
HSV	291°, 80%, 100%
XYZ	50.5775, 25.7564, 96.8766
YIQ	126.5810, 38.8160, 100.5440

Conversions

Conversions Part 2

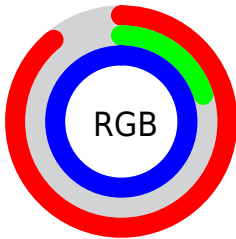
Format	Color
R _Y B	226, 51, 255
Decimal	14824447
CIE _{Lab}	57.81, 87.05, -65.11
CIE _{LCh}	58, 108.706, 323.205
Y _{xy}	25.7564, 0.2920, 0.1487
Android (android.graphics.Color)	4293014527 (0xFFE233FF)
Y _{UV}	126.5810, 63.3106, 87.1905
Hunter-Lab	50.7508, 89.0766, -77.6514

Details

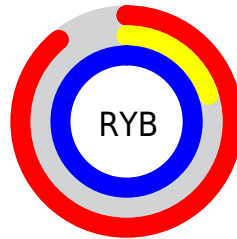
The Yxy color **25.7564, 0.2920, 0.1487** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **73.4460, 0.3091, 0.5722**, and the grayscale version is **20.8672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6737, 0.3187, 0.2016**, and **12.1382, 0.2812, 0.1323** is the 20% darker color. If you saturate the color by 10%, you get **23.5195, 0.2882, 0.1394**, and if you desaturate by 10%, it is **29.2283, 0.2957, 0.1626**.

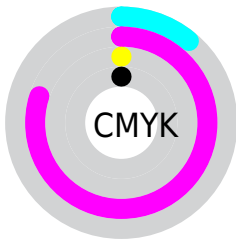
Distribution



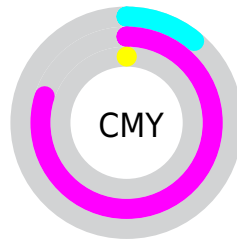
- Red (89%)
- Green (20%)
- Blue (100%)



- Red (89%)
- Yellow (20%)
- Blue (100%)



- Cyan (11%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7564, 0.2920, 0.1487 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 25.7564, 0.2920, 0.1487 by changing the saturation by 10% instead.


 25.7564, 0.2920,
0.1487


 25.7564, 0.2920,
0.1487


281.5842, 0.3078,
0.2285


 16.6415, 0.2868,
0.1323


 52.8817, 0.2988,
0.1751

 9.9792, 0.2797,
0.1131


 71.6609, 0.3010,
0.1858

 5.3852, 0.2696,
0.0910


 94.4303, 0.3028,
0.1952

 2.4750, 0.2548,
0.0658

 121.5743, 0.3043,
0.2034

 0.8641, 0.2323,
0.0387

 153.4773, 0.3054,
0.2108

 0.0000, 0.2001,
0.0000


190.5237, 0.3064,

 0.0000, 0.1438,

0.2173


0.0000


233.0978, 0.3072,
0.2232


 0.0000, 0.0000,
0.0000


 25.7564, 0.2920,
0.1487


 25.7564, 0.2920,
0.1487


 23.5195, 0.2882,
0.1394


 29.2283, 0.2957,
0.1626

 22.2310, 0.2845,
0.1341

 34.1064, 0.2992,
0.1807

 22.2238, 0.2845,
0.1341

 40.5381, 0.3024,
0.2024

 48.6514, 0.3053,
0.2266

 58.5607, 0.3078,
0.2523

70.3708, 0.3098,
0.2785

84.1778, 0.3114,
0.3043

99.9935, 0.3127,
0.3290

99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



25.7564, 0.1618, 0.1165



25.7564, 0.2920, 0.1487



25.7564, 0.4820, 0.2111

Triad

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



25.7564, 0.2920, 0.1487



25.7564, 0.5170, 0.4830



25.7564, 0.0785, 0.2560

Complementary

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



25.7564, 0.2920, 0.1487



73.4460, 0.3091, 0.5722

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.



25.7564, 0.1327, 0.4843



25.7564, 0.2920, 0.1487



25.7564, 0.3812, 0.6188

Square

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



25.7564, 0.2920, 0.1487



25.7564, 0.6164, 0.3709



25.7564, 0.2443, 0.6707



25.7564, 0.0716, 0.1497

Rectangle

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



25.7564, 0.2920, 0.1487



25.7564, 0.5893, 0.2620



25.7564, 0.2443, 0.6707



25.7564, 0.0899, 0.3184

Sweetspot

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



25.7575, 0.2920, 0.1487



65.3592, 0.3090, 0.2679



13.9186, 0.1693, 0.1051



13.1014, 0.3083, 0.2585



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.



25.7575, 0.2920, 0.1487



22.6796, 0.2860, 0.1359



27.0783, 0.4057, 0.2153



18.1616, 0.3115, 0.3054



11.6671, 0.2851, 0.1344



1.1703, 0.2894, 0.1368

Inverse Universe

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



24.2150, 0.5619, 0.3102



21.6713, 0.6154, 0.3189



73.6176, 0.2806, 0.5080



18.0292, 0.3272, 0.3256



11.1890, 0.6214, 0.3197



1.1015, 0.5951, 0.3052

Previews

White Background



This preview shows how the Yxy color 25.7564, 0.2920, 0.1487 looks on a white background.

Color Contrast Check

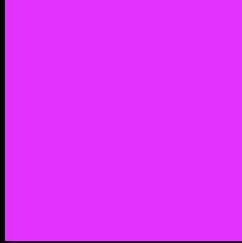
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7564, 0.2920, 0.1487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

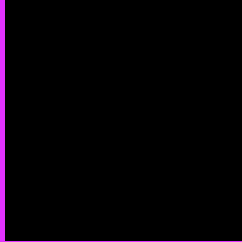
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7564, 0.2920, 0.1487

Background



This preview shows how black text looks on a background with the Yxy color 25.7564, 0.2920, 0.1487.



This preview shows how white text looks on a background with the Yxy color 25.7564, 0.2920, 0.1487.

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

25.7564, 0.2920, 0.1487

Protanopia

26.0844, 0.1930, 0.1695

Deuteranopia

26.2705, 0.1932, 0.1873



Tritanopia

25.3960, 0.4342, 0.3193

Trichromacy



Original Color

25.7564, 0.2920, 0.1487



Protanomaly

22.1484, 0.2139, 0.1459



Deuteranomaly

21.2305, 0.2098, 0.1512



Tritanomaly

24.0535, 0.3779, 0.2367

Monochromacy



Original Color

25.7564, 0.2920, 0.1487



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

19.7662, 0.3043, 0.2211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7564, 0.2920, 0.1487 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(226, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 51, 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(226, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.7564, 0.2920, 0.1487 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(226, 51, 255) }
```

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

```
.border{ border-color:rgb(226, 51, 255) }
```

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

Here you see how a box with a 4 pixel rgb(226, 51, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7564, 0.2920, 0.1487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 51, 255) }
```

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

```
.background{ background-color: rgb(226, 51,  
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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