

Converting Colors

$Y_{xy}(25.5722, 0.2830, 0.1634)$

Have a look what the booklet for
Yxy(25.5722, 0.2830, 0.1634)
contains.

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Color

Yxy(25.5765, 0.2831, 0.1634)

Conversions

Conversions Part 1

Format	Color
Hex	CD53F2
RGB	205, 83, 242
RGB Percent	80%, 33%, 95%
CMY	0.1959, 0.6747, 0.0508
CMYK	0.15, 0.66, 0.00, 0.05
HSL	286°, 86%, 64%
HSV	286°, 66%, 95%
XYZ	44.3128, 25.5765, 86.6377
YIQ	137.6040, 21.6730, 75.3130

Conversions

Conversions Part 2

Format	Color
R _{YB}	205, 83, 242
Decimal	13456370
CIE _{Lab}	57.63, 70.32, -58.38
CIE _{LCh}	58, 91.394, 320.302
Yxy	25.5765, 0.2831, 0.1634
Android (android.graphics.Color)	4291646450 (0xFFCD53F2)
YUV	137.6040, 51.4672, 59.1063
Hunter-Lab	50.5732, 67.9004, -66.1692

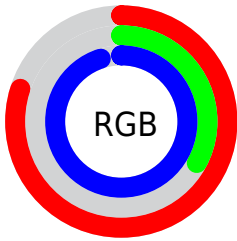
Details

The Yxy color **25.5765, 0.2831, 0.1634** is a light color, and the websafe version is hex **CC66FF**.

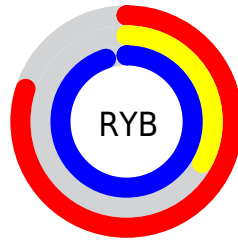
The color can be described as light muted magenta. A complement of this color would be **68.1402, 0.3199, 0.5309**, and the grayscale version is **25.0459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2362, 0.3179, 0.2187**, and **9.9229, 0.2695, 0.1280** is the 20% darker color. If you saturate the color by 10%, you get **21.7149, 0.2768, 0.1457**, and if you desaturate by 10%, it is **30.7606, 0.2891, 0.1850**.

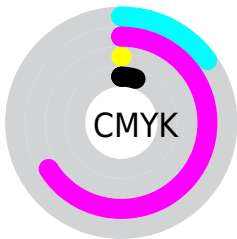
Distribution



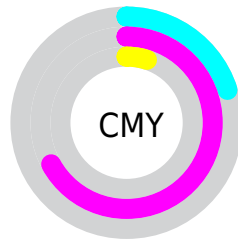
- Red (80%)
- Green (33%)
- Blue (95%)



- Red (80%)
- Yellow (33%)
- Blue (95%)



- Cyan (15%)
- Magenta (66%)
- Yellow (0%)
- Black (5%)





- Cyan (20%)
- Magenta (67%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5765, 0.2831, 0.1634 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 25.5765, 0.2831, 0.1634 by changing the saturation by 10% instead.

 25.5765, 0.2831,
0.1634


 25.5765, 0.2831,
0.1634


280.6969, 0.3025,
0.2393


 16.5071, 0.2772,
0.1470


 52.5909, 0.2910,
0.1891


 9.8837, 0.2691,
0.1276


 71.3048, 0.2938,
0.1993

 5.3219, 0.2577,
0.1046


 94.0022, 0.2960,
0.2082

 2.4373, 0.2411,
0.0774

 121.0676, 0.2978,
0.2160

 0.8450, 0.2159,
0.0470

152.8853, 0.2993,
0.2229

 0.0000, 0.1796,
0.0000

189.8399, 0.3005,

 0.0000, 0.1015,

0.2290

0.0000

232.3156, 0.3016,
0.2344

0.0000, 0.0000,
0.0000

25.5765, 0.2831,
0.1634

25.5765, 0.2831,
0.1634

21.7149, 0.2768,
0.1457

30.7606, 0.2891,
0.1850

19.0310, 0.2705,
0.1326

37.3855, 0.2948,
0.2095

17.3510, 0.2643,
0.1242

45.5596, 0.2998,
0.2357

16.8241, 0.2617,
0.1215

55.3800, 0.3042,
0.2626

66.9357, 0.3080,
0.2892

80.3094, 0.3112,
0.3149

95.5783, 0.3137,
0.3391

98.2700, 0.3171,
0.3416

99.1933, 0.3202,
0.3414

Harmonies

Analogous

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



25.5765, 0.1713, 0.1354



25.5765, 0.2831, 0.1634



25.5765, 0.4424, 0.2200

Triad

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



25.5765, 0.2831, 0.1634



25.5765, 0.5166, 0.4715



25.5765, 0.1058, 0.2861

Complementary

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



25.5765, 0.2831, 0.1634



68.1402, 0.3199, 0.5309

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.



25.5765, 0.1672, 0.4789



25.5765, 0.2831, 0.1634



25.5765, 0.4005, 0.5779

Square

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



25.5765, 0.2831, 0.1634



25.5765, 0.5899, 0.3740



25.5765, 0.2768, 0.6173



25.5765, 0.0922, 0.1785

Rectangle

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



25.5765, 0.2831, 0.1634



25.5765, 0.5387, 0.2682



25.5765, 0.2768, 0.6173



25.5765, 0.1200, 0.3430

Sweetspot

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



25.5776, 0.2831, 0.1634



69.4860, 0.3065, 0.2778



21.6978, 0.1952, 0.1609



14.0971, 0.3054, 0.2703



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.



25.5776, 0.2831, 0.1634



23.2510, 0.2746, 0.1406



29.2140, 0.3664, 0.2137



15.8354, 0.3101, 0.3055



9.0995, 0.2627, 0.1221



0.8014, 0.2707, 0.1265

Inverse Universe

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



26.4162, 0.4785, 0.2932



24.7841, 0.5327, 0.2943



66.8551, 0.2866, 0.4906



15.8190, 0.3257, 0.3235



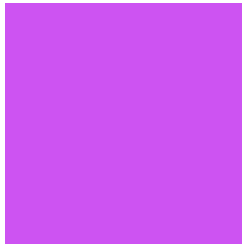
10.3131, 0.5982, 0.3069



0.8728, 0.5618, 0.2868

Previews

White Background



This preview shows how the Yxy color 25.5765, 0.2831, 0.1634 looks on a white background.

Color Contrast Check

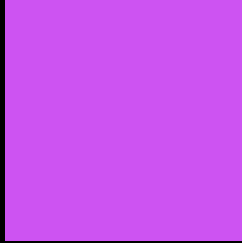
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5765, 0.2831, 0.1634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

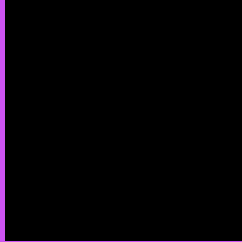
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.5765, 0.2831, 0.1634

Background



This preview shows how black text looks on a background with the Yxy color 25.5765, 0.2831, 0.1634.



This preview shows how white text looks on a background with the Yxy color 25.5765, 0.2831, 0.1634.

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

25.5765, 0.2831, 0.1634

Protanopia

26.0844, 0.1930, 0.1695

Deuteranopia

26.0782, 0.2020, 0.1962



Tritanopia

25.3080, 0.3916, 0.3167

Trichromacy



Original Color

25.5765, 0.2831, 0.1634



Protanomaly

23.6039, 0.2131, 0.1588



Deuteranomaly

23.3874, 0.2197, 0.1727



Tritanomaly

24.5698, 0.3481, 0.2463

Monochromacy



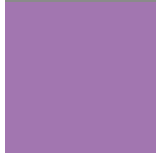
Original Color

25.5765, 0.2831, 0.1634



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

23.7728, 0.3008, 0.2448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5765, 0.2831, 0.1634 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(205, 83, 242)` looks like.

```
.text, #text, p{  
    color:rgb(205, 83, 242)  
}
```

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(205, 83, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 83, 242) }
```

Border

The CSS property to change the border of an element to Yxy 25.5765, 0.2831, 0.1634 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(205, 83, 242) }
```

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

```
.border{ border-color:rgb(205, 83, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 83, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 83, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 83, 242);  
box-shadow:4px 4px 4px 4px rgb(205, 83,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5765, 0.2831, 0.1634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 83, 242) }
```

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

```
.background{ background-color: rgb(205, 83,  
242) }
```

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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