

Converting Colors

$Y_{xy}(32.2256, 0.2887, 0.1760)$

Have a look what the booklet for
Yxy(32.2256, 0.2887, 0.1760)
contains.

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Color

Yxy(32.2523, 0.2889, 0.1760)

Conversions

Conversions Part 1

Format	Color
Hex	DE66FF
RGB	222, 102, 255
RGB Percent	87%, 40%, 100%
CMY	0.1292, 0.6002, 0.0000
CMYK	0.13, 0.60, 0.00, 0.00
HSL	287°, 100%, 70%
HSV	287°, 60%, 100%
XYZ	52.9414, 32.2523, 98.0580
YIQ	155.3220, 22.4070, 73.0230

Conversions

Conversions Part 2

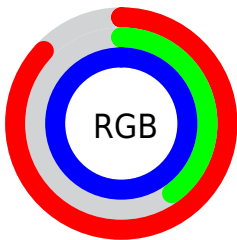
Format	Color
R _Y B	222, 102, 255
Decimal	14575359
CIE Lab	63.55, 68.50, -55.98
CIE LCh	64, 88.467, 320.742
Yxy	32.2523, 0.2889, 0.1760
Android (android.graphics.Color)	4292765439 (0xFFDE66FF)
YUV	155.3220, 49.1413, 58.4766
Hunter-Lab	56.7911, 67.0156, -62.6189

Details

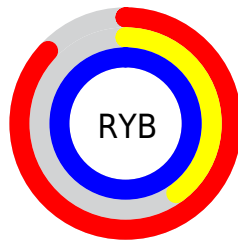
The Yxy color **32.2523, 0.2889, 0.1760** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **77.6200, 0.3193, 0.5149**, and the grayscale version is **32.6939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **13.4737, 0.2781, 0.1440** is the 20% darker color. If you saturate the color by 10%, you get **27.1377, 0.2832, 0.1564**, and if you desaturate by 10%, it is **38.9359, 0.2943, 0.1991**.

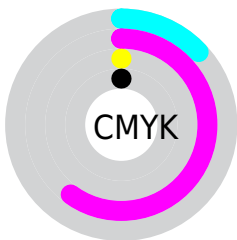
Distribution



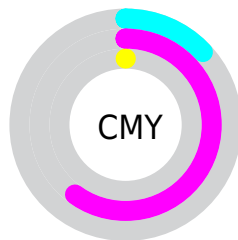
- Red (87%)
- Green (40%)
- Blue (100%)



- Red (87%)
- Yellow (40%)
- Blue (100%)



- Cyan (13%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2523, 0.2889, 0.1760 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 32.2523, 0.2889, 0.1760 by changing the saturation by 10% instead.


 32.2523, 0.2889,
0.1760


 32.2523, 0.2889,
0.1760


312.2670, 0.3044,
0.2448


 21.5543, 0.2843,
0.1613


 63.2064, 0.2952,
0.1991

 13.5298, 0.2781,
0.1439


 84.2313, 0.2973,
0.2084

 7.7943, 0.2694,
0.1230


 109.4672, 0.2991,
0.2164

 3.9636, 0.2569,
0.0981

 139.2987, 0.3006,
0.2235

 1.6532, 0.2380,
0.0689

174.1100, 0.3018,
0.2297

 0.3931, 0.2098,
0.0304

214.2855, 0.3028,

 0.0000, 0.1623,

0.2353

0.0000

260.2097, 0.3036,
0.2403

■ 0.0000, 0.0000,
0.0000

■ 32.2523, 0.2889,
0.1760

■ 32.2523, 0.2889,
0.1760

■ 27.1377, 0.2832,
0.1564

■ 38.9359, 0.2943,
0.1991

■ 23.4449, 0.2774,
0.1410

■ 47.3164, 0.2991,
0.2245

■ 20.9990, 0.2716,
0.1303

■ 57.5088, 0.3034,
0.2511

■ 19.5160, 0.2659,
0.1238

■ 69.6179, 0.3071,
0.2779

■ 83.7405, 0.3102,
0.3040

99.9666, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



32.2523, 0.1838, 0.1488



32.2523, 0.2889, 0.1760



32.2523, 0.4324, 0.2303

Triad

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



32.2523, 0.2889, 0.1760



32.2523, 0.5051, 0.4704



32.2523, 0.1209, 0.2912

Complementary

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



32.2523, 0.2889, 0.1760



77.6200, 0.3193, 0.5149

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.



32.2523, 0.1808, 0.4593



32.2523, 0.2889, 0.1760



32.2523, 0.4003, 0.5615

Square

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



32.2523, 0.2889, 0.1760



32.2523, 0.5683, 0.3798



32.2523, 0.2844, 0.5838



32.2523, 0.1065, 0.1913

Rectangle

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



32.2523, 0.2889, 0.1760



32.2523, 0.5181, 0.2767



32.2523, 0.2844, 0.5838



32.2523, 0.1351, 0.3418

Sweetspot

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



32.2524, 0.2889, 0.1760



72.3044, 0.3078, 0.2832



27.4010, 0.2041, 0.1736



14.6531, 0.3068, 0.2755



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.



32.2524, 0.2889, 0.1760



26.2984, 0.2821, 0.1530



35.4882, 0.3633, 0.2230



18.0915, 0.3103, 0.3053



10.2652, 0.2668, 0.1244



1.0462, 0.2733, 0.1279

Inverse Universe

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



32.4992, 0.4605, 0.2972



26.9633, 0.5090, 0.2959



76.3960, 0.2863, 0.4716



18.0510, 0.3260, 0.3239



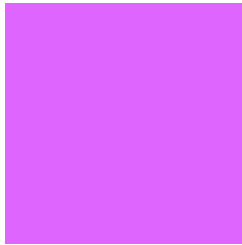
11.2700, 0.6039, 0.3100



1.1126, 0.5734, 0.2933

Previews

White Background



This preview shows how the Yxy color 32.2523, 0.2889, 0.1760 looks on a white background.

Color Contrast Check

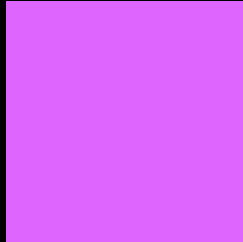
Large Text (above 18pt) WCAG AA × Fail

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 32.2523, 0.2889, 0.1760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

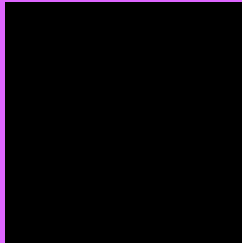
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2523, 0.2889, 0.1760

Background



This preview shows how black text looks on a background with the Yxy color 32.2523, 0.2889, 0.1760.



This preview shows how white text looks on a background with the Yxy color 32.2523, 0.2889, 0.1760.

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

32.2523, 0.2889, 0.1760

Protanopia

32.6682, 0.2125, 0.1953

Deuteranopia

32.5286, 0.2136, 0.2073



Tritanopia

31.8800, 0.3850, 0.3164

Trichromacy



Original Color

32.2523, 0.2889, 0.1760



Protanomaly

30.5744, 0.2330, 0.1818



Deuteranomaly

30.2785, 0.2331, 0.1876



Tritanomaly

31.3768, 0.3468, 0.2545

Monochromacy



Original Color

32.2523, 0.2889, 0.1760



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

30.9536, 0.3039, 0.2557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2523, 0.2889, 0.1760 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(222, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 102, 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(222, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.2523, 0.2889, 0.1760 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(222, 102, 255) }
```

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

```
.border{ border-color:rgb(222, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2523, 0.2889, 0.1760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 102, 255) }
```

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

```
.background{ background-color: rgb(222,  
102, 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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