

Converting Colors

Yxy(32.9646, 0.2745, 0.1821)

Have a look what the booklet for
Yxy(32.9646, 0.2745, 0.1821)
contains.

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Color

Yxy(32.9217, 0.2742, 0.1820)

Conversions

Conversions Part 1

Format	Color
Hex	CD75FF
RGB	205, 117, 255
RGB Percent	80%, 46%, 100%
CMY	0.1959, 0.5413, 0.0000
CMYK	0.20, 0.54, 0.00, 0.00
HSL	278°, 100%, 73%
HSV	278°, 54%, 100%
XYZ	49.5996, 32.9217, 98.3671
YIQ	159.0440, 8.1500, 61.5740

Conversions

Conversions Part 2

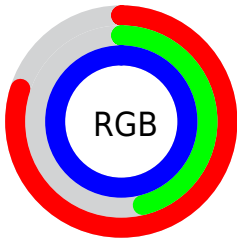
Format	Color
R _Y B	205, 117, 255
Decimal	13465087
CIE Lab	64.10, 57.30, -55.24
CIE LCh	64, 79.593, 316.047
Yxy	32.9217, 0.2742, 0.1820
Android (android.graphics.Color)	4291655167 (0xFFCD75FF)
YUV	159.0440, 47.3063, 40.3034
Hunter-Lab	57.3774, 53.8929, -61.4818

Details

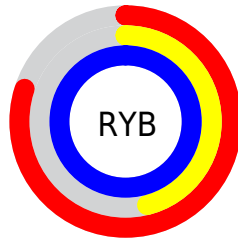
The Yxy color **32.9217, 0.2742, 0.1820** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **81.0113, 0.3317, 0.4896**, and the grayscale version is **34.4672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **13.9281, 0.2602, 0.1498** is the 20% darker color. If you saturate the color by 10%, you get **26.4942, 0.2645, 0.1573**, and if you desaturate by 10%, it is **41.0441, 0.2833, 0.2091**.

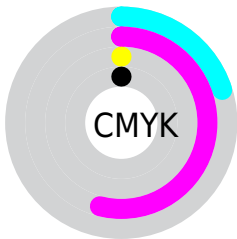
Distribution



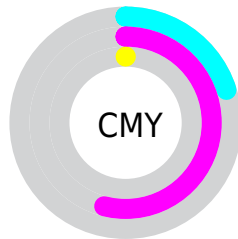
- Red (80%)
- Green (46%)
- Blue (100%)



- Red (80%)
- Yellow (46%)
- Blue (100%)



- Cyan (20%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9217, 0.2742, 0.1820 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 32.9217, 0.2742, 0.1820 by changing the saturation by 10% instead.


 32.9217, 0.2742,
0.1820


 32.9217, 0.2742,
0.1820


315.2968, 0.2964,
0.2488


 22.0665, 0.2681,
0.1675


 64.2533, 0.2828,
0.2046

 13.9057, 0.2601,
0.1503

 85.4984, 0.2858,
0.2136

 8.0551, 0.2493,
0.1295

 110.9756, 0.2884,
0.2214

 4.1303, 0.2341,
0.1043

141.0693, 0.2905,
0.2283

 1.7467, 0.2121,
0.0745

176.1639, 0.2923,
0.2343

 0.4536, 0.1798,
0.0360

216.6437, 0.2939,


 0.0000, 0.1297,


0.2397

0.0000

262.8932, 0.2952,
0.2445


 0.0000, 0.0000,
0.0000

 32.9217, 0.2742,
0.1820


 32.9217, 0.2742,
0.1820


 26.4942, 0.2645,
0.1573


 41.0441, 0.2833,
0.2091

 21.6259, 0.2546,
0.1363


 50.9828, 0.2916,
0.2374


 18.1588, 0.2447,
0.1200

 62.8474, 0.2990,
0.2656

 15.8998, 0.2353,
0.1088

 76.7387, 0.3054,
0.2930

 14.9759, 0.2301,
0.1041

 92.7502, 0.3108,
0.3188

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.



32.9217, 0.1836, 0.1605



32.9217, 0.2742, 0.1820



32.9217, 0.4004, 0.2299

Triad

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



32.9217, 0.2742, 0.1820



32.9217, 0.5056, 0.4523



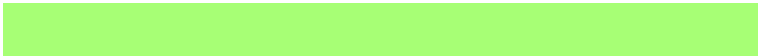
32.9217, 0.1426, 0.3180

Complementary

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



32.9217, 0.2742, 0.1820



81.0113, 0.3317, 0.4896

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.



32.9217, 0.2078, 0.4674



32.9217, 0.2742, 0.1820



32.9217, 0.4157, 0.5328

Square

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



32.9217, 0.2742, 0.1820



32.9217, 0.5491, 0.3701



32.9217, 0.3086, 0.5597



32.9217, 0.1212, 0.2152

Rectangle

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



32.9217, 0.2742, 0.1820



32.9217, 0.4813, 0.2726



32.9217, 0.3086, 0.5597



32.9217, 0.1591, 0.3657

Sweetspot

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



32.9215, 0.2742, 0.1820



73.9806, 0.3042, 0.2880



38.8512, 0.2206, 0.2180



15.2037, 0.3030, 0.2824



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.



32.9215, 0.2742, 0.1820



26.0101, 0.2637, 0.1553



40.0669, 0.3357, 0.2141



17.9524, 0.3080, 0.3052



7.9126, 0.2315, 0.1049



0.8321, 0.2417, 0.1105

Inverse Universe

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



36.7634, 0.4132, 0.2784



30.6240, 0.4461, 0.2717



77.0598, 0.2969, 0.4817



18.0957, 0.3237, 0.3204



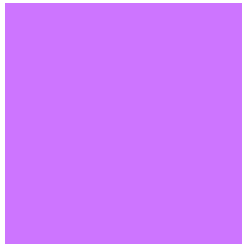
11.5412, 0.5537, 0.2824



1.1438, 0.5224, 0.2651

Previews

White Background



This preview shows how the Yxy color 32.9217, 0.2742, 0.1820 looks on a white background.

Color Contrast Check

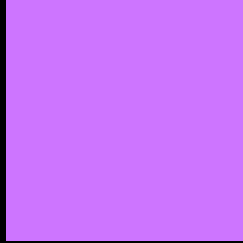
Large Text (above 18pt) WCAG AA × Fail

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 32.9217, 0.2742, 0.1820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

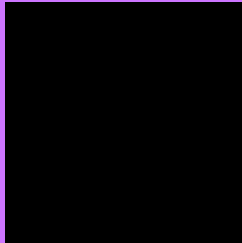
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9217, 0.2742, 0.1820

Background



This preview shows how black text looks on a background with the Yxy color 32.9217, 0.2742, 0.1820.

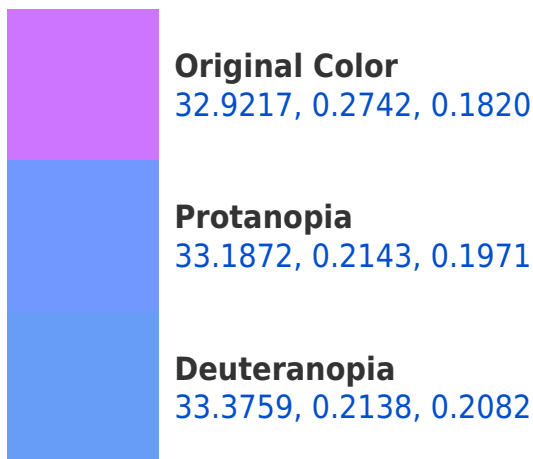


This preview shows how white text looks on a background with the Yxy color 32.9217, 0.2742, 0.1820.

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





Tritanopia

32.7968, 0.3509, 0.3141

Trichromacy



Original Color

32.9217, 0.2742, 0.1820



Protanomaly

31.7962, 0.2307, 0.1875



Deuteranomaly

31.8236, 0.2299, 0.1939



Tritanomaly

32.4139, 0.3202, 0.2567

Monochromacy



Original Color

32.9217, 0.2742, 0.1820



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.0717, 0.2982, 0.2622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9217, 0.2742, 0.1820 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, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 117, 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(205, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 117, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.9217, 0.2742, 0.1820 is called "border". The border property can be set on classes, ids or directly on the HTML element.

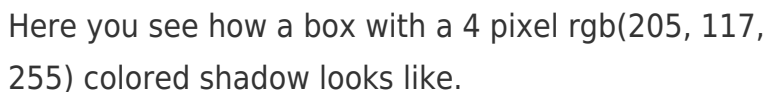
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 117, 255) }
```

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

```
.border{ border-color:rgb(205, 117, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 117, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 117, 255); box-shadow:4px 4px 4px 4px rgb(205, 117, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9217, 0.2742, 0.1820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 117, 255) }
```

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

```
.background{ background-color: rgb(205,  
117, 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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