

Converting Colors

$Y_{xy}(47.3122, 0.2152, 0.1294)$

Have a look what the booklet for
Yxy(47.3122, 0.2152, 0.1294)
contains.

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Color

Yxy(36.5952, 0.2775, 0.1951)

Conversions

Conversions Part 1

Format	Color
Hex	D082FF
RGB	208, 130, 255
RGB Percent	82%, 51%, 100%
CMY	0.1842, 0.4902, 0.0000
CMYK	0.18, 0.49, 0.00, 0.00
HSL	277°, 100%, 75%
HSV	277°, 49%, 100%
XYZ	52.0511, 36.5952, 98.9252
YIQ	167.5720, 6.3630, 55.4110

Conversions

Conversions Part 2

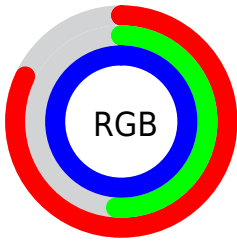
Format	Color
R _Y B	208, 130, 255
Decimal	13665023
CIE Lab	66.97, 51.43, -50.65
CIE LCh	67, 72.187, 315.439
Yxy	36.5952, 0.2775, 0.1951
Android (android.graphics.Color)	4291855103 (0xFFD082FF)
YUV	167.5720, 43.1020, 35.4554
Hunter-Lab	60.4940, 47.7231, -54.6106

Details

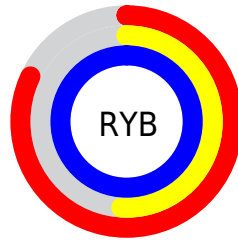
The Yxy color **36.5952, 0.2775, 0.1951** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **82.4713, 0.3321, 0.4730**, and the grayscale version is **38.7212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1779, 0.3159, 0.2604**, and **15.9643, 0.2647, 0.1650** is the 20% darker color. If you saturate the color by 10%, you get **29.2866, 0.2677, 0.1687**, and if you desaturate by 10%, it is **45.6711, 0.2866, 0.2232**.

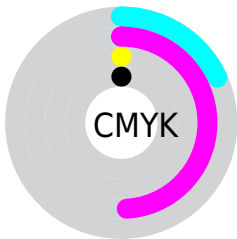
Distribution



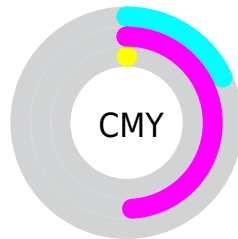
- Red (82%)
- Green (51%)
- Blue (100%)



- Red (82%)
- Yellow (51%)
- Blue (100%)



- Cyan (18%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5952, 0.2775, 0.1951 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 36.5952, 0.2775, 0.1951 by changing the saturation by 10% instead.


 36.5952, 0.2775,
0.1951


 36.5952, 0.2775,
0.1951


331.5546, 0.2974,
0.2561


 24.8942, 0.2721,
0.1818


 69.9498, 0.2851,
0.2159

 15.9983, 0.2651,
0.1657


 92.3721, 0.2878,
0.2241

 9.5229, 0.2556,
0.1462


 119.1371, 0.2901,
0.2312

 5.0838, 0.2424,
0.1223

150.6291, 0.2920,
0.2374

 2.2965, 0.2231,
0.0929

187.2324, 0.2937,
0.2429

 0.7719, 0.1937,
0.0577

229.3315, 0.2951,


 0.0000, 0.1508,


0.2478

0.0000


277.3108, 0.2963,
0.2522

 0.0000, 0.0000,
0.0000


 36.5952, 0.2775,
0.1951


 36.5952, 0.2775,
0.1951


 29.2866, 0.2677,
0.1687

 45.6711, 0.2866,
0.2232


 23.6128, 0.2574,
0.1454


 56.6249, 0.2947,
0.2517

 19.4296, 0.2471,
0.1263

 69.5630, 0.3019,
0.2797

 16.5640, 0.2371,
0.1123

 84.5825, 0.3080,
0.3064

 14.7613, 0.2278,
0.1032

99.9998, 0.3127,
0.3290

■ 14.6111, 0.2269,
0.1024

Harmonies

Analogous

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



36.5952, 0.1955, 0.1758



36.5952, 0.2775, 0.1951



36.5952, 0.3882, 0.2392

Triad

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



36.5952, 0.2775, 0.1951



36.5952, 0.4904, 0.4448



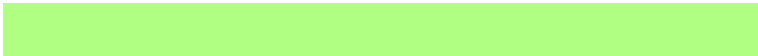
36.5952, 0.1609, 0.3241

Complementary

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



36.5952, 0.2775, 0.1951



82.4713, 0.3321, 0.4730

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.



36.5952, 0.2230, 0.4505



36.5952, 0.2775, 0.1951



36.5952, 0.4124, 0.5121

Square

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



36.5952, 0.2775, 0.1951



36.5952, 0.5237, 0.3703



36.5952, 0.3156, 0.5291



36.5952, 0.1386, 0.2306

Rectangle

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



36.5952, 0.2775, 0.1951



36.5952, 0.4591, 0.2788



36.5952, 0.3156, 0.5291



36.5952, 0.1771, 0.3653

Sweetspot

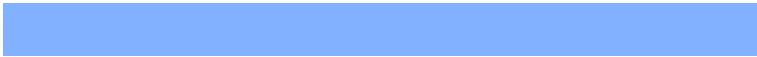
The Sweet Spot groups the original color and five complimentary colors.



36.5967, 0.2775, 0.1951



75.3527, 0.3045, 0.2906



43.7691, 0.2299, 0.2332



15.4704, 0.3031, 0.2849



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.



36.5967, 0.2775, 0.1951



29.3026, 0.2677, 0.1688



43.5375, 0.3312, 0.2218



17.9395, 0.3077, 0.3051



7.7229, 0.2284, 0.1032



0.8144, 0.2388, 0.1089

Inverse Universe

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



40.3940, 0.3972, 0.2807



33.8475, 0.4247, 0.2729



78.2945, 0.2989, 0.4676



18.1000, 0.3235, 0.3201



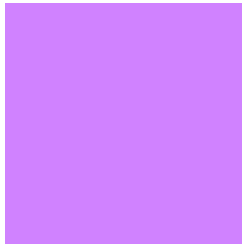
11.5747, 0.5482, 0.2794



1.1474, 0.5173, 0.2623

Previews

White Background



This preview shows how the Yxy color 36.5952, 0.2775, 0.1951 looks on a white background.

Color Contrast Check

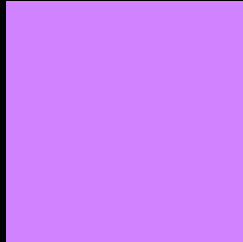
Large Text (above 18pt) WCAG AA × Fail

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 36.5952, 0.2775, 0.1951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

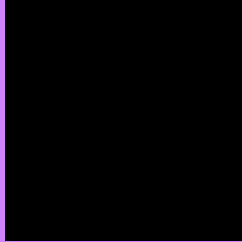
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5952, 0.2775, 0.1951

Background



This preview shows how black text looks on a background with the Yxy color 36.5952, 0.2775, 0.1951.



This preview shows how white text looks on a background with the Yxy color 36.5952, 0.2775, 0.1951.

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

36.5952, 0.2775, 0.1951

Protanopia

36.8736, 0.2238, 0.2096

Deuteranopia

37.1715, 0.2246, 0.2184



Tritanopia

36.6061, 0.3438, 0.3133

Trichromacy



Original Color

36.5952, 0.2775, 0.1951



Protanomaly

35.7828, 0.2394, 0.2015



Deuteranomaly

35.8706, 0.2399, 0.2068

Tritanomaly

36.1198, 0.3178, 0.2632

Monochromacy



Original Color

36.5952, 0.2775, 0.1951



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.3486, 0.2997, 0.2696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5952, 0.2775, 0.1951 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(208, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 130, 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(208, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 130, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.5952, 0.2775, 0.1951 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(208, 130, 255) }
```

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

```
.border{ border-color:rgb(208, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 130,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5952, 0.2775, 0.1951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 130, 255) }
```

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

```
.background{ background-color: rgb(208,  
130, 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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