

Converting Colors

$Y_{xy}(45.5605, 0.2871, 0.2287)$

Have a look what the booklet for
Yxy(45.5605, 0.2871, 0.2287)
contains.

Yxy(45.6520, 0.2874, 0.2293)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.6520, 0.2874, 0.2293)

Conversions

Conversions Part 1

Format	Color
Hex	D69EFA
RGB	214, 158, 250
RGB Percent	84%, 62%, 98%
CMY	0.1606, 0.3804, 0.0197
CMYK	0.14, 0.37, 0.00, 0.02
HSL	277°, 90%, 80%
HSV	277°, 37%, 98%
XYZ	57.2193, 45.6520, 96.2216
YIQ	185.2320, 3.8440, 40.4840

Conversions

Conversions Part 2

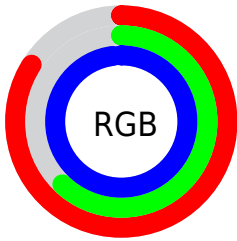
Format	Color
R_{YB}	214, 158, 250
Decimal	14065402
CIE _{Lab}	73.32, 37.19, -37.93
CIE _{LCh}	73, 53.119, 314.438
Yxy	45.6520, 0.2874, 0.2293
Android (android.graphics.Color)	4292255482 (0xFFD69EFA)
YUV	185.2320, 31.9306, 25.2295
Hunter-Lab	67.5663, 32.9239, -37.1389

Details

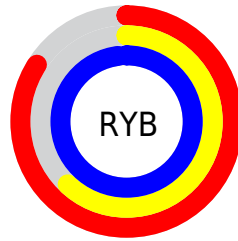
The Yxy color $45.6520, 0.2874, 0.2293$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $82.2878, 0.3297, 0.4336$, and the grayscale version is $48.4710, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.0685, 0.3146, 0.2881$, and $21.4274, 0.2794, 0.2073$ is the 20% darker color. If you saturate the color by 10%, you get $36.5502, 0.2781, 0.2008$, and if you desaturate by 10%, it is $56.5800, 0.2957, 0.2579$.

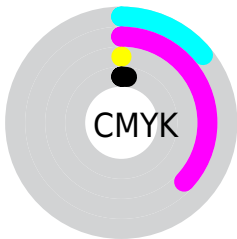
Distribution



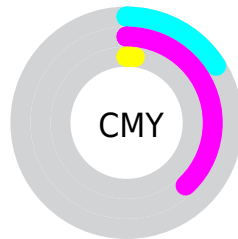
- Red (84%)
- Green (62%)
- Blue (98%)



- Red (84%)
- Yellow (62%)
- Blue (98%)



- Cyan (14%)
- Magenta (37%)
- Yellow (0%)
- Black (2%)




- Cyan (16%)
- Magenta (38%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6520, 0.2874, 0.2293 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 45.6520, 0.2874, 0.2293 by changing the saturation by 10% instead.


 45.6520, 0.2874,
0.2293

 45.6520, 0.2874,
0.2293


369.4078, 0.3011,
0.2751

 31.9713, 0.2838,
0.2191


 83.6979, 0.2925,
0.2450

 21.3396, 0.2792,
0.2066


 108.8320, 0.2944,
0.2512

 13.3724, 0.2730,
0.1911


138.5526, 0.2960,
0.2565

 7.6855, 0.2643,
0.1714

173.2441, 0.2973,
0.2612

 3.8944, 0.2515,
0.1459

213.2910, 0.2984,
0.2653

 1.6147, 0.2316,
0.1124

259.0777, 0.2994,

 0.3675, 0.2009,

0.2689

0.0555

310.9885, 0.3003,
0.2722

0.0000, 0.0873,
0.0000

0.0000, 0.0000,
0.0000

45.6520, 0.2874,
0.2293

45.6520, 0.2874,
0.2293

36.5502, 0.2781,
0.2008

56.5800, 0.2957,
0.2579

29.1615, 0.2681,
0.1737

69.4270, 0.3029,
0.2857

23.3689, 0.2575,
0.1493

84.2860, 0.3091,
0.3121

19.0377, 0.2468,
0.1289

99.3237, 0.3144,
0.3338

■ 16.0101, 0.2364,
0.1134

■ 99.6809, 0.3156,
0.3338

■ 14.0867, 0.2266,
0.1032

■ 13.6064, 0.2236,
0.1005

Harmonies

Analogous

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



45.6520, 0.2269, 0.2157



45.6520, 0.2874, 0.2293



45.6520, 0.3635, 0.2630

Triad

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



45.6520, 0.2874, 0.2293



45.6520, 0.4446, 0.4194



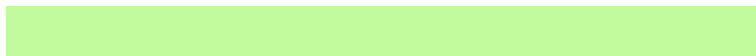
45.6520, 0.2052, 0.3319

Complementary

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



45.6520, 0.2874, 0.2293



82.2878, 0.3297, 0.4336

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.



45.6520, 0.2546, 0.4110



45.6520, 0.2874, 0.2293



45.6520, 0.3930, 0.4593

Square

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



45.6520, 0.2874, 0.2293



45.6520, 0.4607, 0.3656



45.6520, 0.3234, 0.4615



45.6520, 0.1842, 0.2646

Rectangle

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



45.6520, 0.2874, 0.2293



45.6520, 0.4111, 0.2939



45.6520, 0.3234, 0.4615



45.6520, 0.2187, 0.3587

Sweetspot

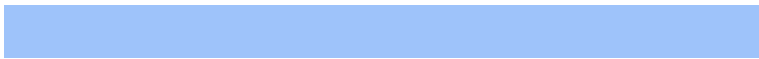
The Sweet Spot groups the original color and five complimentary colors.



45.6539, 0.2874, 0.2293



81.3712, 0.3066, 0.3012



53.1040, 0.2517, 0.2630



16.9646, 0.3058, 0.2976



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.



45.6539, 0.2874, 0.2293



40.6779, 0.2808, 0.2086



51.1091, 0.3245, 0.2458



17.1663, 0.3075, 0.3052



7.3042, 0.2251, 0.1014



0.7378, 0.2363, 0.1076

Inverse Universe

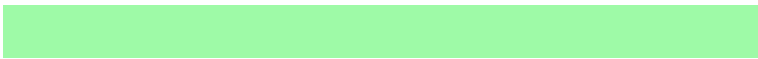
The Inverse Universe completely reimagines the original color for something new.



48.6632, 0.3671, 0.2911



44.4173, 0.3829, 0.2836



78.4244, 0.3027, 0.4296



17.3375, 0.3232, 0.3198



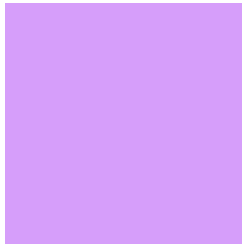
11.2712, 0.5420, 0.2759



1.0640, 0.5100, 0.2583

Previews

White Background



This preview shows how the Yxy color 45.6520, 0.2874, 0.2293 looks on a white background.

Color Contrast Check

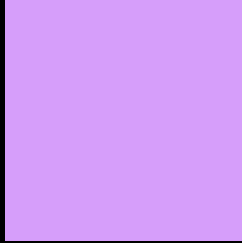
Large Text (above 18pt) WCAG AA × Fail

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 45.6520, 0.2874, 0.2293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

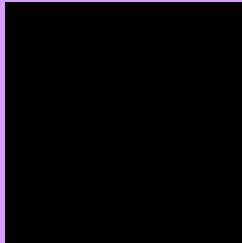
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6520, 0.2874, 0.2293

Background



This preview shows how black text looks on a background with the Yxy color 45.6520, 0.2874, 0.2293.



This preview shows how white text looks on a background with the Yxy color 45.6520, 0.2874, 0.2293.

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

45.6520, 0.2874, 0.2293

Protanopia

46.1287, 0.2448, 0.2368

Deuteranopia

45.9682, 0.2522, 0.2463



Tritanopia

45.4660, 0.3307, 0.3118

Trichromacy



Original Color

45.6520, 0.2874, 0.2293



Protanomaly

45.5648, 0.2585, 0.2336



Deuteranomaly

45.5445, 0.2643, 0.2399



Tritanomaly

45.2858, 0.3142, 0.2782

Monochromacy



Original Color

45.6520, 0.2874, 0.2293



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.9992, 0.3036, 0.2877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6520, 0.2874, 0.2293 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(214, 158, 250)` looks like.

```
.text, #text, p{  
    color:rgb(214, 158, 250)  
}
```

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(214, 158, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 158, 250) }
```

Border

The CSS property to change the border of an element to Yxy 45.6520, 0.2874, 0.2293 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(214, 158, 250) }
```

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

```
.border{ border-color:rgb(214, 158, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 158, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 158, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 158, 250);  
box-shadow:4px 4px 4px 4px rgb(214, 158,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6520, 0.2874, 0.2293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 158, 250) }
```

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

```
.background{ background-color: rgb(214,  
158, 250) }
```

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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