

Converting Colors

$Y_{xy}(45.8869, 0.2537, 0.2448)$

Have a look what the booklet for
Yxy(45.8869, 0.2537, 0.2448)
contains.

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Color

Yxy(45.9462, 0.2534, 0.2445)

Conversions

Conversions Part 1

Format	Color
Hex	A3B1F7
RGB	163, 177, 247
RGB Percent	64%, 69%, 97%
CMY	0.3607, 0.3059, 0.0314
CMYK	0.34, 0.28, 0.00, 0.03
HSL	230°, 84%, 80%
HSV	230°, 34%, 97%
XYZ	47.6187, 45.9462, 94.3541
YIQ	180.7940, -30.8140, 18.8020

Conversions

Conversions Part 2

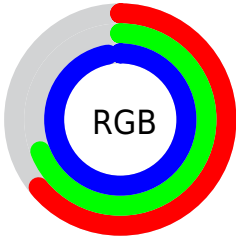
Format	Color
R_{YB}	163, 175, 247
Decimal	10727927
CIE _{Lab}	73.51, 11.29, -36.35
CIE _{LCh}	74, 38.062, 287.260
Yxy	45.9462, 0.2534, 0.2445
Android (android.graphics.Color)	4288918007 (0xFFA3B1F7)
YUV	180.7940, 32.6396, -15.6053
Hunter-Lab	67.7836, 6.7767, -35.0826

Details

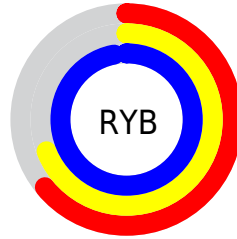
The Yxy color $45.9462, 0.2534, 0.2445$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $80.7162, 0.3684, 0.4012$, and the grayscale version is $45.9277, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.7135, 0.2910, 0.3062$, and $21.5731, 0.2375, 0.2246$ is the 20% darker color. If you saturate the color by 10%, you get $36.0599, 0.2335, 0.2144$, and if you desaturate by 10%, it is $57.5725, 0.2725, 0.2726$.

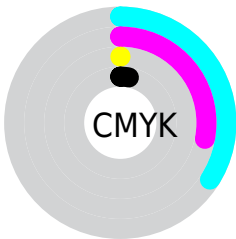
Distribution



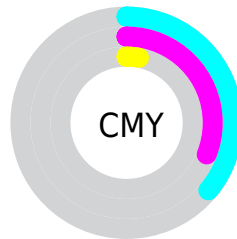
- Red (64%)
- Green (69%)
- Blue (97%)



- Red (64%)
- Yellow (69%)
- Blue (97%)



- Cyan (34%)
- Magenta (28%)
- Yellow (0%)
- Black (3%)



- Cyan (36%)
- Magenta (31%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9462, 0.2534, 0.2445 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 45.9462, 0.2534, 0.2445 by changing the saturation by 10% instead.

■ 45.9462, 0.2534,
0.2445

■ 45.9462, 0.2534,
0.2445

370.5923, 0.2827,
0.2847

■ 32.2034, 0.2463,
0.2352

■ 84.1385, 0.2639,
0.2586

■ 21.5169, 0.2375,
0.2236

■ 109.3567, 0.2679,
0.2641

■ 13.5023, 0.2260,
0.2089

139.1689, 0.2712,
0.2687

■ 7.7754, 0.2107,
0.1899

173.9593, 0.2742,
0.2728

■ 3.9515, 0.1896,
0.1645

214.1125, 0.2767,
0.2763

■ 1.6465, 0.1591,
0.1297

260.0128, 0.2789,


■ 0.3886, 0.1132,

0.2795


0.0682

312.0446, 0.2809,
0.2823


 0.0000, 0.0000,
0.0000


 45.9462, 0.2534,
0.2445


 45.9462, 0.2534,
0.2445


 36.0599, 0.2335,
0.2144


 57.5725, 0.2725,
0.2726


 27.8239, 0.2136,
0.1831


 71.0124, 0.2904,
0.2981

 21.1479, 0.1949,
0.1523

 86.3413, 0.3067,
0.3207

 15.9311, 0.1784,
0.1237

 99.4954, 0.3173,
0.3367

 12.0599, 0.1655,
0.0993

■ 9.4028, 0.1568,
0.0807

■ 8.3072, 0.1535,
0.0725

Harmonies

Analogous

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



45.9462, 0.2242, 0.2520



45.9462, 0.2534, 0.2445



45.9462, 0.3003, 0.2561

Triad

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



45.9462, 0.2534, 0.2445



45.9462, 0.4194, 0.3633



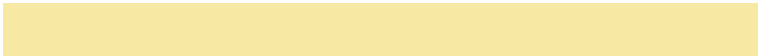
45.9462, 0.2676, 0.3813

Complementary

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



45.9462, 0.2534, 0.2445



80.7162, 0.3684, 0.4012

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.



45.9462, 0.3178, 0.4189



45.9462, 0.2534, 0.2445



45.9462, 0.4070, 0.4015

Square

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



45.9462, 0.2534, 0.2445



45.9462, 0.4001, 0.3213



45.9462, 0.3690, 0.4245



45.9462, 0.2314, 0.3276

Rectangle

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



45.9462, 0.2534, 0.2445



45.9462, 0.3368, 0.2728



45.9462, 0.3690, 0.4245



45.9462, 0.2833, 0.3968

Sweetspot

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



45.9480, 0.2534, 0.2445



82.6590, 0.2971, 0.3074



80.1950, 0.2713, 0.3449



17.2066, 0.2947, 0.3042



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.



45.9480, 0.2534, 0.2445



41.6933, 0.2394, 0.2233



43.9990, 0.2716, 0.2326



16.3720, 0.2979, 0.3086



4.5296, 0.1540, 0.0745



0.5239, 0.1595, 0.0943

Inverse Universe

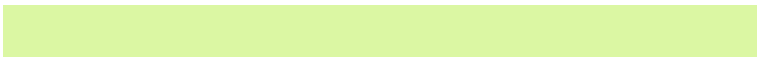
The Inverse Universe completely reimagines the original color for something new.



49.1531, 0.3795, 0.3141



46.0378, 0.4004, 0.3110



84.2290, 0.3444, 0.4199



16.5275, 0.3267, 0.3251



10.5566, 0.6159, 0.3166



0.9405, 0.5845, 0.2994

Previews

White Background



This preview shows how the Yxy color 45.9462, 0.2534, 0.2445 looks on a white background.

Color Contrast Check

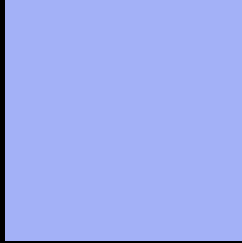
Large Text (above 18pt) WCAG AA × Fail

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 45.9462, 0.2534, 0.2445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

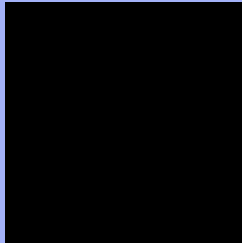
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9462, 0.2534, 0.2445

Background



This preview shows how black text looks on a background with the Yxy color 45.9462, 0.2534, 0.2445.



This preview shows how white text looks on a background with the Yxy color 45.9462, 0.2534, 0.2445.

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

45.9462, 0.2534, 0.2445

Protanopia

46.0917, 0.2510, 0.2443

Deuteranopia

46.0298, 0.2516, 0.2453



Tritanopia

46.1072, 0.2762, 0.3088

Trichromacy



Original Color

45.9462, 0.2534, 0.2445

Protanomaly

46.1952, 0.2517, 0.2445

Deuteranomaly

46.1333, 0.2522, 0.2455

Tritanomaly

46.0970, 0.2676, 0.2836

Monochromacy



Original Color

45.9462, 0.2534, 0.2445

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.0490, 0.2888, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9462, 0.2534, 0.2445 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(163, 177, 247)` looks like.

```
.text, #text, p{  
    color:rgb(163, 177, 247)  
}
```

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(163, 177, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 177, 247) }
```

Border

The CSS property to change the border of an element to Yxy 45.9462, 0.2534, 0.2445 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(163, 177, 247) }
```

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

```
.border{ border-color:rgb(163, 177, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 177, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 177, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 177, 247);  
box-shadow:4px 4px 4px 4px rgb(163, 177,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9462, 0.2534, 0.2445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 177, 247) }
```

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

```
.background{ background-color: rgb(163,  
177, 247) }
```

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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