

Converting Colors

$Y_{xy}(53.2120, 0.2105, 0.1681)$

Have a look what the booklet for
Yxy(53.2120, 0.2105, 0.1681)
contains.

Yxy(45.9521, 0.2481, 0.2352)	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(45.9521, 0.2481, 0.2352)

Conversions

Conversions Part 1

Format	Color
Hex	A2B0FF
RGB	162, 176, 255
RGB Percent	64%, 69%, 100%
CMY	0.3649, 0.3098, 0.0000
CMYK	0.36, 0.31, 0.00, 0.00
HSL	231°, 100%, 82%
HSV	231°, 36%, 100%
XYZ	48.4724, 45.9521, 100.9500
YIQ	180.8200, -33.7030, 21.6010

Conversions

Conversions Part 2

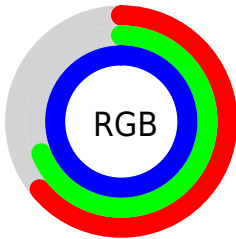
Format	Color
RYB	162, 174, 255
Decimal	10662143
CIELab	73.51, 13.64, -40.68
CIElCh	74, 42.909, 288.529
Yxy	45.9521, 0.2481, 0.2352
Android (android.graphics.Color)	4288852223 (0xFFA2B0FF)
YUV	180.8200, 36.5707, -16.5051
Hunter-Lab	67.7880, 9.0091, -40.8432

Details

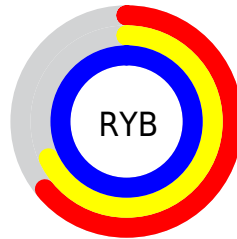
The Yxy color **45.9521, 0.2481, 0.2352** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **86.7444, 0.3724, 0.4079**, and the grayscale version is **45.9143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4319, 0.2903, 0.3041**, and **21.6183, 0.2313, 0.2131** is the 20% darker color. If you saturate the color by 10%, you get **35.7237, 0.2279, 0.2041**, and if you desaturate by 10%, it is **58.0747, 0.2677, 0.2645**.

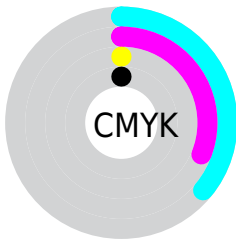
Distribution



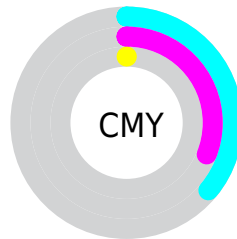
- Red (64%)
- Green (69%)
- Blue (100%)



- Red (64%)
- Yellow (68%)
- Blue (100%)



- Cyan (36%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9521, 0.2481, 0.2352 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 45.9521, 0.2481, 0.2352 by changing the saturation by 10% instead.


 45.9521, 0.2481,
0.2352

 45.9521, 0.2481,
0.2352


370.6160, 0.2799,
0.2794

 32.2080, 0.2405,
0.2251

 84.1473, 0.2594,
0.2506

 21.5204, 0.2310,
0.2126


 109.3672, 0.2638,
0.2566

 13.5050, 0.2187,
0.1970

139.1812, 0.2674,
0.2617

 7.7772, 0.2026,
0.1770

173.9737, 0.2706,
0.2662

 3.9527, 0.1805,
0.1507

214.1290, 0.2734,
0.2701

 1.6471, 0.1494,
0.1158


260.0316, 0.2758,


 0.3891, 0.1052,


0.2736

0.0582

312.0658, 0.2780,
0.2767

 0.0000, 0.0000,
0.0000


 45.9521, 0.2481,
0.2352


 45.9521, 0.2481,
0.2352


 35.7237, 0.2279,
0.2041


 58.0747, 0.2677,
0.2645

 27.2939, 0.2080,
0.1723

 72.1826, 0.2860,
0.2912

 20.5563, 0.1896,
0.1416

 88.3596, 0.3027,
0.3151

 15.3941, 0.1739,
0.1138

100.0000, 0.3127,
0.3290

 11.6746, 0.1621,
0.0911

■ 9.2415, 0.1547,
0.0747

■ 8.6399, 0.1529,
0.0704

Harmonies

Analogous

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



45.9521, 0.2151, 0.2420



45.9521, 0.2481, 0.2352



45.9521, 0.3009, 0.2490

Triad

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



45.9521, 0.2481, 0.2352



45.9521, 0.4330, 0.3681



45.9521, 0.2596, 0.3860

Complementary

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



45.9521, 0.2481, 0.2352



86.7444, 0.3724, 0.4079

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.



45.9521, 0.3151, 0.4304



45.9521, 0.2481, 0.2352



45.9521, 0.4169, 0.4108

Square

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



45.9521, 0.2481, 0.2352



45.9521, 0.4130, 0.3217



45.9521, 0.3729, 0.4371



45.9521, 0.2206, 0.3242

Rectangle

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



45.9521, 0.2481, 0.2352



45.9521, 0.3421, 0.2679



45.9521, 0.3729, 0.4371



45.9521, 0.2768, 0.4042

Sweetspot

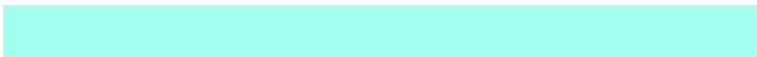
The Sweet Spot groups the original color and five complimentary colors.



45.9517, 0.2481, 0.2352



80.7996, 0.2954, 0.3047



85.4578, 0.2686, 0.3463



16.8262, 0.2931, 0.3014



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.



45.9517, 0.2481, 0.2352



38.0967, 0.2330, 0.2120



44.3783, 0.2678, 0.2245



17.8205, 0.2979, 0.3082



4.6460, 0.1534, 0.0722



0.5764, 0.1581, 0.0891

Inverse Universe

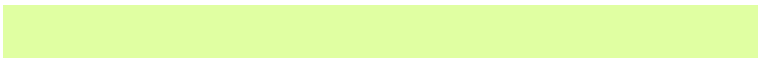
The Inverse Universe completely reimagines the original color for something new.



50.2198, 0.3881, 0.3144



43.3742, 0.4120, 0.3115



89.9719, 0.3466, 0.4271



18.0318, 0.3270, 0.3254



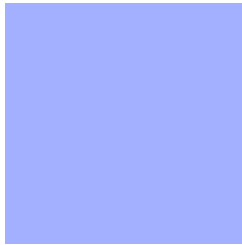
11.1970, 0.6196, 0.3187



1.1027, 0.5926, 0.3038

Previews

White Background



This preview shows how the Yxy color 45.9521, 0.2481, 0.2352 looks on a white background.

Color Contrast Check

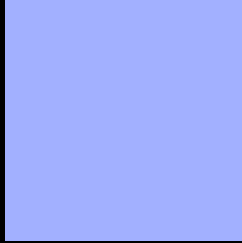
Large Text (above 18pt) WCAG AA × Fail

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 45.9521, 0.2481, 0.2352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

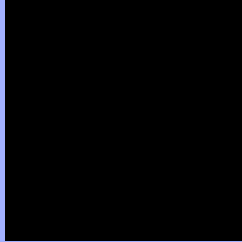
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9521, 0.2481, 0.2352

Background



This preview shows how black text looks on a background with the Yxy color 45.9521, 0.2481, 0.2352.



This preview shows how white text looks on a background with the Yxy color 45.9521, 0.2481, 0.2352.

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

45.9521, 0.2481, 0.2352

Protanopia

46.1287, 0.2448, 0.2368

Deuteranopia

45.8666, 0.2441, 0.2375



Tritanopia

45.7244, 0.2733, 0.3086

Trichromacy



Original Color

45.9521, 0.2481, 0.2352

Protanomaly

45.9334, 0.2458, 0.2359

Deuteranomaly

45.7681, 0.2457, 0.2367

Tritanomaly

45.5464, 0.2635, 0.2784

Monochromacy



Original Color

45.9521, 0.2481, 0.2352

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.7929, 0.2866, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9521, 0.2481, 0.2352 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(162, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 176, 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(162, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 176, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.9521, 0.2481, 0.2352 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(162, 176, 255) }
```

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

```
.border{ border-color:rgb(162, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 176,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9521, 0.2481, 0.2352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 176, 255) }
```

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

```
.background{ background-color: rgb(162,  
176, 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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