

Converting Colors

$Y_{xy}(45.1048, 0.2406, 0.2334)$

Have a look what the booklet for
Yxy(45.1048, 0.2406, 0.2334)
contains.

Yxy(45.1483, 0.2409, 0.2347)	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(45.1483, 0.2409, 0.2347)

Conversions

Conversions Part 1

Format	Color
Hex	96B1FF
RGB	150, 177, 255
RGB Percent	59%, 69%, 100%
CMY	0.4120, 0.3058, 0.0000
CMYK	0.41, 0.31, 0.00, 0.00
HSL	225°, 100%, 79%
HSV	225°, 41%, 100%
XYZ	46.3410, 45.1483, 100.8767
YIQ	177.8190, -41.1300, 18.5340

Conversions

Conversions Part 2

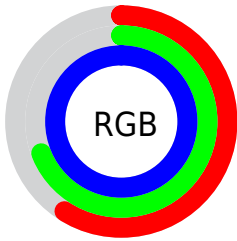
Format	Color
R _Y B	150, 171, 255
Decimal	9875967
CIE Lab	72.99, 9.96, -41.54
CIE LCh	73, 42.719, 283.477
Yxy	45.1483, 0.2409, 0.2347
Android (android.graphics.Color)	4288066047 (0xFF96B1FF)
YUV	177.8190, 38.0502, -24.3973
Hunter-Lab	67.1925, 5.5201, -41.9779

Details

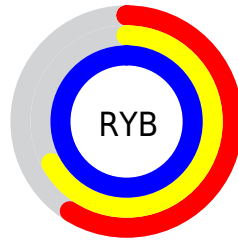
The Yxy color **45.1483, 0.2409, 0.2347** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **78.9038, 0.3848, 0.4078**, and the grayscale version is **44.2277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1986, 0.2830, 0.3046**, and **21.1241, 0.2223, 0.2121** is the 20% darker color. If you saturate the color by 10%, you get **36.0226, 0.2220, 0.2068**, and if you desaturate by 10%, it is **55.8407, 0.2598, 0.2611**.

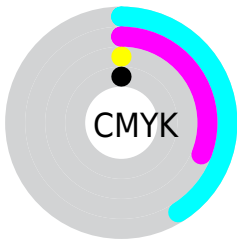
Distribution



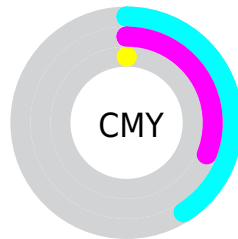
- Red (59%)
- Green (69%)
- Blue (100%)



- Red (59%)
- Yellow (67%)
- Blue (100%)



- Cyan (41%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1483, 0.2409, 0.2347 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 45.1483, 0.2409, 0.2347 by changing the saturation by 10% instead.

■ 45.1483, 0.2409,
0.2347

■ 45.1483, 0.2409,
0.2347

367.3738, 0.2760,
0.2795

■ 31.5743, 0.2325,
0.2244

■ 82.9429, 0.2534,
0.2503

■ 21.0365, 0.2221,
0.2117

■ 107.9323, 0.2582,
0.2564

■ 13.1507, 0.2088,
0.1957

137.4955, 0.2622,
0.2616

■ 7.5324, 0.1912,
0.1752

172.0170, 0.2658,
0.2661

■ 3.7972, 0.1676,
0.1483

211.8812, 0.2688,
0.2701

■ 1.5608, 0.1347,
0.1126

257.4725, 0.2715,

■ 0.3309, 0.0862,

0.2736

0.0512

309.1752, 0.2739,
0.2767

0.0000, 0.0000,
0.0000

45.1483, 0.2409,
0.2347

45.1483, 0.2409,
0.2347

36.0226, 0.2220,
0.2068

55.8407, 0.2598,
0.2611

28.3817, 0.2038,
0.1783

68.1661, 0.2780,
0.2854

22.1432, 0.1874,
0.1505

82.1930, 0.2951,
0.3074

17.2139, 0.1738,
0.1249

97.9845, 0.3109,
0.3268

13.4874, 0.1636,
0.1030

99.9998, 0.3127,
0.3290

■ 11.0835, 0.1576,
0.0874

Harmonies

Analogous

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



45.1483, 0.2117, 0.2453



45.1483, 0.2409, 0.2347



45.1483, 0.2909, 0.2453

Triad

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



45.1483, 0.2409, 0.2347



45.1483, 0.4324, 0.3603



45.1483, 0.2680, 0.3957

Complementary

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



45.1483, 0.2409, 0.2347



78.9038, 0.3848, 0.4078

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.



45.1483, 0.3251, 0.4345



45.1483, 0.2409, 0.2347



45.1483, 0.4221, 0.4044

Square

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



45.1483, 0.2409, 0.2347



45.1483, 0.4064, 0.3140



45.1483, 0.3818, 0.4347



45.1483, 0.2255, 0.3346

Rectangle

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



45.1483, 0.2409, 0.2347



45.1483, 0.3316, 0.2624



45.1483, 0.3818, 0.4347



45.1483, 0.2861, 0.4124

Sweetspot

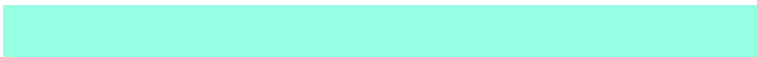
The Sweet Spot groups the original color and five complimentary colors.



45.1500, 0.2409, 0.2347



81.0059, 0.2938, 0.3057



83.5421, 0.2689, 0.3613



16.9292, 0.2916, 0.3029



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.



45.1500, 0.2409, 0.2347



37.8995, 0.2261, 0.2130



38.0656, 0.2526, 0.2068



18.1386, 0.2979, 0.3108



5.9935, 0.1584, 0.0900



0.7508, 0.1642, 0.1111

Inverse Universe

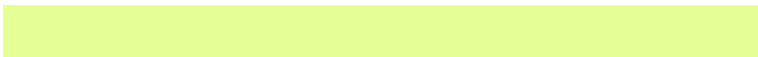
The Inverse Universe completely reimagines the original color for something new.



46.2292, 0.3909, 0.3008



39.8562, 0.4141, 0.2959



90.6218, 0.3576, 0.4376



18.0639, 0.3254, 0.3229



11.3330, 0.5911, 0.3030



1.1203, 0.5595, 0.2856

Previews

White Background



This preview shows how the Yxy color 45.1483, 0.2409, 0.2347 looks on a white background.

Color Contrast Check

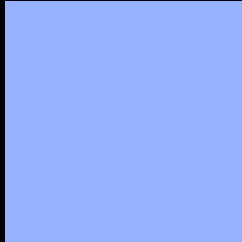
Large Text (above 18pt) WCAG AA × Fail

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 45.1483, 0.2409, 0.2347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

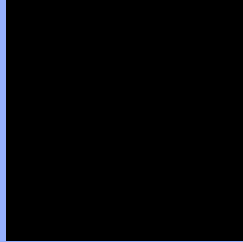
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1483, 0.2409, 0.2347

Background



This preview shows how black text looks on a background with the Yxy color 45.1483, 0.2409, 0.2347.



This preview shows how white text looks on a background with the Yxy color 45.1483, 0.2409, 0.2347.

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

45.1483, 0.2409, 0.2347

Protanopia

45.0764, 0.2437, 0.2350

Deuteranopia

45.1483, 0.2409, 0.2347



Tritanopia

45.0392, 0.2640, 0.3081

Trichromacy



Original Color

45.1483, 0.2409, 0.2347

Protanomaly

44.9787, 0.2431, 0.2348

Deuteranomaly

45.1483, 0.2409, 0.2347

Tritanomaly

44.7502, 0.2551, 0.2786

Monochromacy



Original Color

45.1483, 0.2409, 0.2347

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.6219, 0.2832, 0.2925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1483, 0.2409, 0.2347 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(150, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 177, 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(150, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 177, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.1483, 0.2409, 0.2347 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(150, 177, 255) }
```

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

```
.border{ border-color:rgb(150, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 177,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1483, 0.2409, 0.2347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 177, 255) }
```

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

```
.background{ background-color: rgb(150,  
177, 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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