

Converting Colors

$Yxy(46.9252, 0.2105, 0.2495)$

Have a look what the booklet for
Yxy(46.9252, 0.2105, 0.2495)
contains.

Yxy(46.9618, 0.2104, 0.2496)	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(46.9618, 0.2104, 0.2496)

Conversions

Conversions Part 1

Format	Color
Hex	42C2FF
RGB	66, 194, 255
RGB Percent	26%, 76%, 100%
CMY	0.7415, 0.2392, 0.0000
CMYK	0.74, 0.24, 0.00, 0.00
HSL	199°, 100%, 63%
HSV	199°, 74%, 100%
XYZ	39.5864, 46.9618, 101.6000
YIQ	162.6820, -95.8690, -8.1650

Conversions

Conversions Part 2

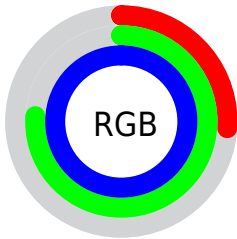
Format	Color
R _{YB}	66, 142, 255
Decimal	4375295
CIE _{Lab}	74.17, -15.25, -39.98
CIE _{LCh}	74, 42.788, 249.127
Yxy	46.9618, 0.2104, 0.2496
Android (android.graphics.Color)	4282565375 (0xFF42C2FF)
YUV	162.6820, 45.5128, -84.7901
Hunter-Lab	68.5287, -16.8126, -39.9328

Details

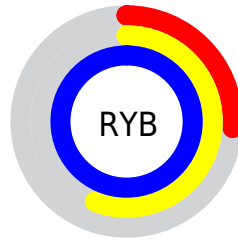
The Yxy color **46.9618, 0.2104, 0.2496** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **36.8108, 0.5175, 0.3825**, and the grayscale version is **36.2748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9096, 0.2498, 0.3231**, and **22.8334, 0.1973, 0.2302** is the 20% darker color. If you saturate the color by 10%, you get **42.7051, 0.2024, 0.2371**, and if you desaturate by 10%, it is **51.8163, 0.2204, 0.2621**.

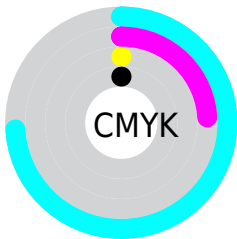
Distribution



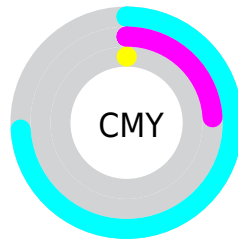
- Red (26%)
- Green (76%)
- Blue (100%)



- Red (26%)
- Yellow (56%)
- Blue (100%)



- Cyan (74%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (74%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9618, 0.2104, 0.2496 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 46.9618, 0.2104, 0.2496 by changing the saturation by 10% instead.

46.9618, 0.2104,
0.2496

46.9618, 0.2104,
0.2496

374.6620, 0.2587,
0.2889

33.0055, 0.1994,
0.2402

85.6566, 0.2272,
0.2636

22.1306, 0.1859,
0.2284

111.1638, 0.2337,
0.2690

13.9529, 0.1691,
0.2133

141.2902, 0.2394,
0.2735

8.0879, 0.1477,
0.1935

176.4200, 0.2443,
0.2775

4.1513, 0.1203,
0.1668

216.9377, 0.2486,
0.2809

1.7585, 0.0851,
0.1302

263.2277, 0.2524,

0.4611, 0.0106,

0.2839

0.0742

315.6743, 0.2557,
0.2865

0.0000, 0.0000,
0.0000

46.9618, 0.2104,
0.2496

46.9618, 0.2104,
0.2496

42.7051, 0.2024,
0.2371

51.8163, 0.2204,
0.2621

38.9847, 0.1965,
0.2248

57.3170, 0.2323,
0.2743

37.0071, 0.1938,
0.2177

63.5075, 0.2456,
0.2860

70.4264, 0.2600,
0.2971

78.1090, 0.2752,
0.3075

■ 86.5877, 0.2907,
0.3170

■ 95.8928, 0.3063,
0.3257

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



46.9618, 0.2085, 0.2867



46.9618, 0.2104, 0.2496



46.9618, 0.2361, 0.2358

Triad

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



46.9618, 0.2104, 0.2496



46.9618, 0.3988, 0.3079



46.9618, 0.3336, 0.4356

Complementary

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



46.9618, 0.2104, 0.2496



36.8108, 0.5175, 0.3825

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.



46.9618, 0.3882, 0.4307



46.9618, 0.2104, 0.2496



46.9618, 0.4295, 0.3534

Square

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



46.9618, 0.2104, 0.2496



46.9618, 0.3431, 0.2691



46.9618, 0.4245, 0.3979



46.9618, 0.2762, 0.4024

Rectangle

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



46.9618, 0.2104, 0.2496



46.9618, 0.2653, 0.2387



46.9618, 0.4245, 0.3979



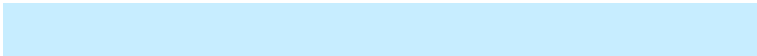
46.9618, 0.3529, 0.4380

Sweetspot

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



46.9623, 0.2104, 0.2496



79.8604, 0.2785, 0.3096



74.1769, 0.2827, 0.5021



16.6210, 0.2743, 0.3069



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.



46.9623, 0.2104, 0.2496



40.8366, 0.1993, 0.2311



17.6038, 0.1789, 0.1265



19.4354, 0.2980, 0.3211



19.6195, 0.1944, 0.2197



2.1085, 0.1983, 0.2337

Inverse Universe

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



29.0433, 0.3896, 0.2138



25.4615, 0.4106, 0.2088



73.0158, 0.4337, 0.4663



18.1948, 0.3188, 0.3130



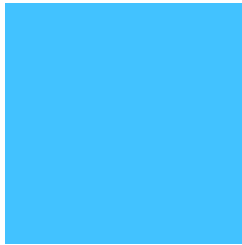
12.7086, 0.4235, 0.2107



1.2574, 0.4088, 0.2026

Previews

White Background



This preview shows how the Yxy color 46.9618, 0.2104, 0.2496 looks on a white background.

Color Contrast Check

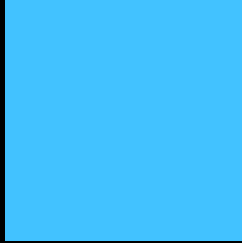
Large Text (above 18pt) WCAG AA × Fail

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 46.9618, 0.2104, 0.2496 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

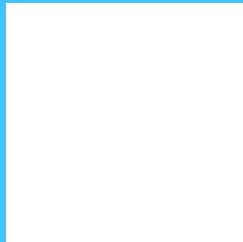
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9618, 0.2104, 0.2496

Background



This preview shows how black text looks on a background with the Yxy color 46.9618, 0.2104, 0.2496.



This preview shows how white text looks on a background with the Yxy color 46.9618, 0.2104, 0.2496.

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

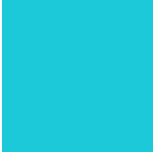
46.9618, 0.2104, 0.2496

Protanopia

46.4978, 0.2560, 0.2511

Deuteranopia

46.2325, 0.2431, 0.2376



Tritanopia

47.0299, 0.2203, 0.3057

Trichromacy



Original Color

46.9618, 0.2104, 0.2496

Protanomaly

45.5856, 0.2341, 0.2492

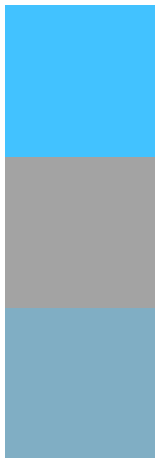
Deuteranomaly

45.5659, 0.2270, 0.2401

Tritanomaly

46.6499, 0.2157, 0.2828

Monochromacy



Original Color

46.9618, 0.2104, 0.2496

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.8468, 0.2600, 0.2970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9618, 0.2104, 0.2496 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(66, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(66, 194, 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(66, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 194, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.9618, 0.2104, 0.2496 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(66, 194, 255) }
```

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

```
.border{ border-color:rgb(66, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(66, 194, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(66, 194, 255); box-shadow:4px 4px 4px 4px rgb(66, 194, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9618, 0.2104, 0.2496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 194, 255) }
```

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

```
.background{ background-color: rgb(66, 194,  
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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