

Converting Colors

$Y_{xy}(46.9790, 0.2156, 0.2610)$

Have a look what the booklet for
Yxy(46.9790, 0.2156, 0.2610)
contains.

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Color

Yxy(47.0618, 0.2155, 0.2613)

Conversions

Conversions Part 1

Format	Color
Hex	48C3F6
RGB	72, 195, 246
RGB Percent	28%, 76%, 96%
CMY	0.7183, 0.2352, 0.0353
CMYK	0.71, 0.21, 0.00, 0.04
HSL	198°, 91%, 62%
HSV	198°, 71%, 96%
XYZ	38.8129, 47.0618, 94.2317
YIQ	164.0370, -89.6790, -10.2150

Conversions

Conversions Part 2

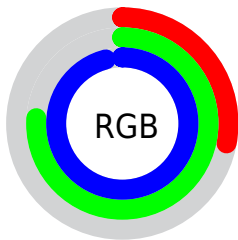
Format	Color
R _Y B	72, 144, 246
Decimal	4768758
CIE Lab	74.23, -17.97, -35.03
CIE LCh	74, 39.366, 242.842
Yxy	47.0618, 0.2155, 0.2613
Android (android.graphics.Color)	4282958838 (0xFF48C3F6)
YUV	164.0370, 40.4078, -80.7164
Hunter-Lab	68.6016, -19.0623, -33.4201

Details

The Yxy color **47.0618, 0.2155, 0.2613** 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 **34.1813, 0.5099, 0.3770**, and the grayscale version is **36.9590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4163, 0.2514, 0.3254**, and **22.7239, 0.2012, 0.2444** is the 20% darker color. If you saturate the color by 10%, you get **43.1517, 0.2073, 0.2501**, and if you desaturate by 10%, it is **51.5085, 0.2257, 0.2724**.

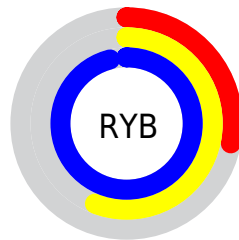
Distribution



Red (28%)

Green (76%)

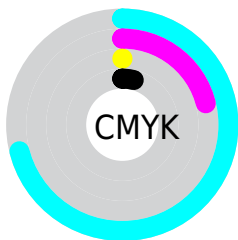
Blue (96%)



Red (28%)

Yellow (56%)

Blue (96%)

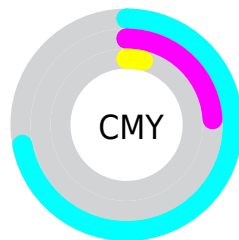


Cyan (71%)

Magenta (21%)

Yellow (0%)

Black (4%)



Cyan (72%)


Magenta (24%)


Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0618, 0.2155, 0.2613 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 47.0618, 0.2155, 0.2613 by changing the saturation by 10% instead.


 47.0618, 0.2155,
0.2613


 47.0618, 0.2155,
0.2613


375.0612, 0.2617,
0.2953

 33.0845, 0.2049,
0.2530


 85.8059, 0.2316,
0.2736


 22.1912, 0.1918,
0.2425


 111.3414, 0.2379,
0.2782

 13.9975, 0.1754,
0.2288


 141.4985, 0.2432,
0.2822

 8.1189, 0.1543,
0.2106

 176.6616, 0.2479,
0.2855

 4.1711, 0.1269,
0.1853

217.2150, 0.2520,
0.2885

 1.7697, 0.0909,
0.1493

263.5431, 0.2556,

 0.4682, 0.0012,

0.2910

0.0914

316.0304, 0.2588,
0.2933

■ 0.0000, 0.0000,
0.0000

■ 47.0618, 0.2155,
0.2613

■ 47.0618, 0.2155,
0.2613

■ 43.1517, 0.2073,
0.2501

■ 51.5085, 0.2257,
0.2724

■ 39.7229, 0.2011,
0.2389

■ 56.5293, 0.2377,
0.2833

■ 36.9220, 0.1969,
0.2288


■ 62.1632, 0.2510,
0.2936

■ 68.4435, 0.2654,
0.3034

■ 75.4010, 0.2805,
0.3125

 83.0640, 0.2960,
0.3209

 91.4592, 0.3115,
0.3284

 97.9326, 0.3181,
0.3354

 99.4343, 0.3179,
0.3376

Harmonies

Analogous

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



47.0618, 0.2187, 0.3003



47.0618, 0.2155, 0.2613



47.0618, 0.2350, 0.2436

Triad

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



47.0618, 0.2155, 0.2613



47.0618, 0.3825, 0.3015



47.0618, 0.3438, 0.4285

Complementary

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



47.0618, 0.2155, 0.2613



34.1813, 0.5099, 0.3770

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.



47.0618, 0.3916, 0.4183



47.0618, 0.2155, 0.2613



47.0618, 0.4167, 0.3432

Square

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



47.0618, 0.2155, 0.2613



47.0618, 0.3290, 0.2672



47.0618, 0.4194, 0.3854



47.0618, 0.2900, 0.4049

Rectangle

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



47.0618, 0.2155, 0.2613



47.0618, 0.2597, 0.2434



47.0618, 0.4194, 0.3854



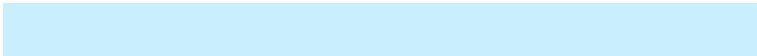
47.0618, 0.3611, 0.4285

Sweetspot

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



47.0635, 0.2155, 0.2613



81.6225, 0.2802, 0.3123



68.6720, 0.2851, 0.5009



17.0085, 0.2759, 0.3099



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.



47.0635, 0.2155, 0.2613



45.1374, 0.2043, 0.2452



19.0846, 0.1860, 0.1430



17.8904, 0.2980, 0.3219



19.9606, 0.1974, 0.2307



1.9314, 0.2013, 0.2445

Inverse Universe

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



28.1480, 0.3779, 0.2120



26.4480, 0.3959, 0.2037



65.3028, 0.4335, 0.4581



16.6808, 0.3183, 0.3124



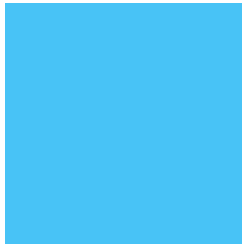
12.1144, 0.4119, 0.2043



1.0826, 0.3978, 0.1965

Previews

White Background



This preview shows how the Yxy color 47.0618, 0.2155, 0.2613 looks on a white background.

Color Contrast Check

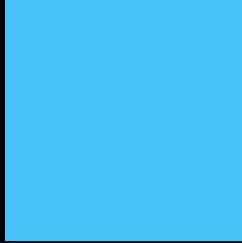
Large Text (above 18pt) WCAG AA × Fail

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 47.0618, 0.2155, 0.2613 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

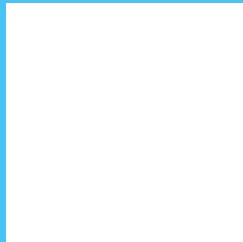
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0618, 0.2155, 0.2613

Background



This preview shows how black text looks on a background with the Yxy color 47.0618, 0.2155, 0.2613.



This preview shows how white text looks on a background with the Yxy color 47.0618, 0.2155, 0.2613.

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

47.0618, 0.2155, 0.2613

Protanopia

46.3962, 0.2641, 0.2612

Deuteranopia

46.5133, 0.2495, 0.2434



Tritanopia

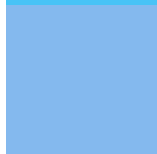
47.0221, 0.2236, 0.3044

Trichromacy



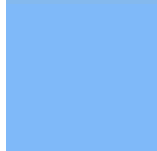
Original Color

47.0618, 0.2155, 0.2613



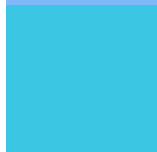
Protanomaly

45.7765, 0.2409, 0.2607



Deuteranomaly

46.0495, 0.2329, 0.2483



Tritanomaly

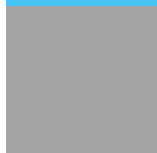
46.9194, 0.2202, 0.2870

Monochromacy



Original Color

47.0618, 0.2155, 0.2613



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.3008, 0.2628, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0618, 0.2155, 0.2613 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(72, 195, 246)` looks like.

```
.text, #text, p{  
    color:rgb(72, 195, 246)  
}
```

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(72, 195, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 195, 246) }
```

Border

The CSS property to change the border of an element to Yxy 47.0618, 0.2155, 0.2613 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(72, 195, 246) }
```

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

```
.border{ border-color:rgb(72, 195, 246) }
```

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

Here you see how a box with a 4 pixel rgb(72, 195, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 195, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 195, 246);  
box-shadow:4px 4px 4px 4px rgb(72, 195,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0618, 0.2155, 0.2613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 195, 246) }
```

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

```
.background{ background-color: rgb(72, 195,  
246) }
```

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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