

Converting Colors

$Y_{xy}(40.1095, 0.2142, 0.2529)$

Have a look what the booklet for
Yxy(40.1095, 0.2142, 0.2529)
contains.

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Color

Yxy(39.9803, 0.2141, 0.2524)

Conversions

Conversions Part 1

Format	Color
Hex	47B4EB
RGB	71, 180, 235
RGB Percent	28%, 71%, 92%
CMY	0.7214, 0.2941, 0.0785
CMYK	0.70, 0.23, 0.00, 0.08
HSL	200°, 80%, 60%
HSV	200°, 70%, 92%
XYZ	33.9136, 39.9803, 84.5067
YIQ	153.6790, -82.6190, -6.0030

Conversions

Conversions Part 2

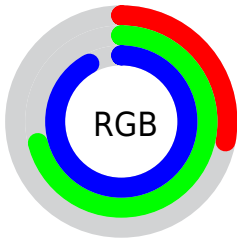
Format	Color
R_{YB}	71, 136, 235
Decimal	4699371
CIE _{Lab}	69.46, -13.71, -36.46
CIE _{LCh}	69, 38.952, 249.396
Yxy	39.9803, 0.2141, 0.2524
Android (android.graphics.Color)	4282889451 (0xFF47B4EB)
YUV	153.6790, 40.0913, -72.5095
Hunter-Lab	63.2300, -14.9135, -34.9799

Details

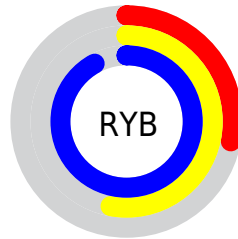
The Yxy color **39.9803, 0.2141, 0.2524** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **33.0368, 0.4984, 0.3843**, and the grayscale version is **32.0199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5293, 0.2469, 0.3068**, and **18.4334, 0.1977, 0.2318** is the 20% darker color. If you saturate the color by 10%, you get **36.1665, 0.2050, 0.2394**, and if you desaturate by 10%, it is **44.3211, 0.2252, 0.2652**.

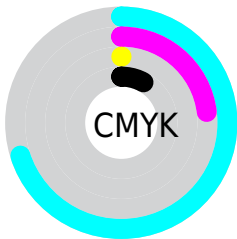
Distribution



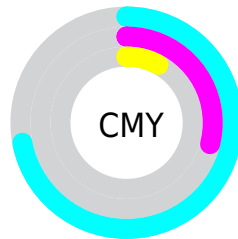
- Red (28%)
- Green (71%)
- Blue (92%)



- Red (28%)
- Yellow (53%)
- Blue (92%)



- Cyan (70%)
- Magenta (23%)
- Yellow (0%)
- Black (8%)





- Cyan (72%)
- Magenta (29%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9803, 0.2141, 0.2524 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 39.9803, 0.2141, 0.2524 by changing the saturation by 10% instead.

 39.9803, 0.2141,
0.2524


 39.9803, 0.2141,
0.2524


346.0405, 0.2622,
0.2914

 27.5232, 0.2027,
0.2427


 75.1335, 0.2311,
0.2666

 17.9665, 0.1886,
0.2304


 98.5984, 0.2377,
0.2719

 10.9260, 0.1706,
0.2143


 126.5013, 0.2433,
0.2764

 6.0171, 0.1473,
0.1927

 159.2267, 0.2481,
0.2803

 2.8555, 0.1166,
0.1627

197.1589, 0.2523,
0.2836

 1.0567, 0.0752,
0.1204

240.6824, 0.2560,

 0.0000, 0.0000,

0.2866

0.0000

290.1814, 0.2593,
0.2891

■ 39.9803, 0.2141,
0.2524

■ 39.9803, 0.2141,
0.2524

■ 36.1665, 0.2050,
0.2394

■ 44.3211, 0.2252,
0.2652

■ 32.8303, 0.1980,
0.2265

■ 49.2229, 0.2378,
0.2777

■ 29.9004, 0.1928,
0.2139

■ 54.7211, 0.2518,
0.2896

■ 29.8355, 0.1927,
0.2136

■ 60.8461, 0.2667,
0.3008

■ 67.6262, 0.2820,
0.3112

■ 75.0873, 0.2976,
0.3206

■ 83.2539, 0.3131,
0.3292

■ 91.3795, 0.3255,
0.3369

■ 96.1980, 0.3248,
0.3445

Harmonies

Analogous

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



39.9803, 0.2121, 0.2882



39.9803, 0.2141, 0.2524



39.9803, 0.2392, 0.2391

Triad

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



39.9803, 0.2141, 0.2524



39.9803, 0.3958, 0.3092



39.9803, 0.3326, 0.4310

Complementary

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



39.9803, 0.2141, 0.2524



33.0368, 0.4984, 0.3843

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.



39.9803, 0.3852, 0.4270



39.9803, 0.2141, 0.2524



39.9803, 0.4250, 0.3533

Square

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



39.9803, 0.2141, 0.2524



39.9803, 0.3425, 0.2715



39.9803, 0.4201, 0.3961



39.9803, 0.2773, 0.3988

Rectangle

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



39.9803, 0.2141, 0.2524



39.9803, 0.2676, 0.2419



39.9803, 0.4201, 0.3961



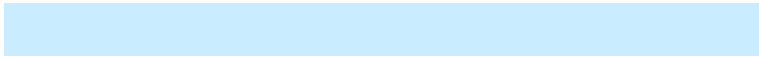
39.9803, 0.3512, 0.4336

Sweetspot

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



39.9817, 0.2141, 0.2524



80.2938, 0.2800, 0.3099



62.2412, 0.2815, 0.4861



16.6907, 0.2757, 0.3070



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.



39.9817, 0.2141, 0.2524



41.6268, 0.2015, 0.2335



16.1405, 0.1853, 0.1360



16.2216, 0.2981, 0.3209



16.8534, 0.1932, 0.2156



1.4994, 0.1981, 0.2332

Inverse Universe

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



25.4644, 0.3859, 0.2196



26.2583, 0.4075, 0.2115



63.0552, 0.4254, 0.4636



15.2229, 0.3189, 0.3135



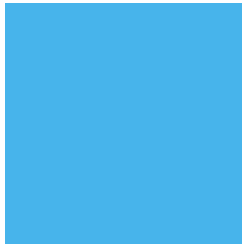
11.1942, 0.4279, 0.2131



0.8968, 0.4093, 0.2029

Previews

White Background



This preview shows how the Yxy color 39.9803, 0.2141, 0.2524 looks on a white background.

Color Contrast Check

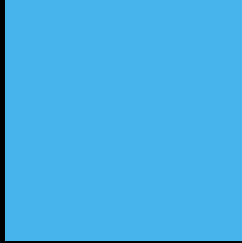
Large Text (above 18pt) WCAG AA × Fail

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 39.9803, 0.2141, 0.2524 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

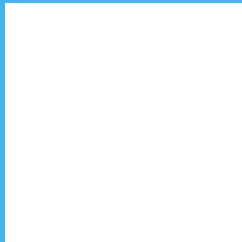
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9803, 0.2141, 0.2524

Background



This preview shows how black text looks on a background with the Yxy color 39.9803, 0.2141, 0.2524.



This preview shows how white text looks on a background with the Yxy color 39.9803, 0.2141, 0.2524.

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

39.9803, 0.2141, 0.2524

Protanopia

39.3841, 0.2571, 0.2520

Deuteranopia

39.6501, 0.2435, 0.2379



Tritanopia

39.9632, 0.2243, 0.3057

Trichromacy



Original Color

39.9803, 0.2141, 0.2524

Protanomaly

38.9939, 0.2370, 0.2506

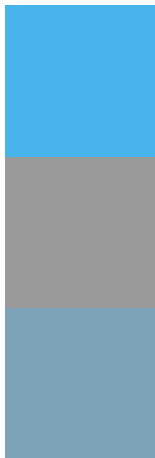
Deuteranomaly

39.4014, 0.2300, 0.2424

Tritanomaly

39.9258, 0.2203, 0.2857

Monochromacy



Original Color

39.9803, 0.2141, 0.2524

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.8984, 0.2637, 0.2984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9803, 0.2141, 0.2524 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(71, 180, 235)` looks like.

```
.text, #text, p{  
    color:rgb(71, 180, 235)  
}
```

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(71, 180, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 180, 235) }
```

Border

The CSS property to change the border of an element to Yxy 39.9803, 0.2141, 0.2524 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(71, 180, 235) }
```

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

```
.border{ border-color:rgb(71, 180, 235) }
```

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

Here you see how a box with a 4 pixel rgb(71, 180, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 180, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 180, 235);  
box-shadow:4px 4px 4px 4px rgb(71, 180,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9803, 0.2141, 0.2524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 180, 235) }
```

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

```
.background{ background-color: rgb(71, 180,  
235) }
```

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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