

Converting Colors

$Yxy(52.3651, 0.2141, 0.2658)$

Have a look what the booklet for
Yxy(52.3651, 0.2141, 0.2658)
contains.

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Color

Yxy(52.4526, 0.2142, 0.2660)

Conversions

Conversions Part 1

Format	Color
Hex	40CEFF
RGB	64, 206, 255
RGB Percent	25%, 81%, 100%
CMY	0.7487, 0.1922, 0.0000
CMYK	0.75, 0.19, 0.00, 0.00
HSL	195°, 100%, 63%
HSV	195°, 75%, 100%
XYZ	42.2381, 52.4526, 102.4995
YIQ	169.1280, -100.3610, -14.8650

Conversions

Conversions Part 2

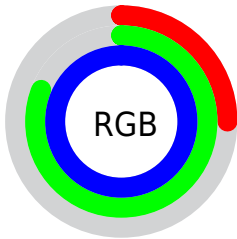
Format	Color
R _{YB}	64, 145, 255
Decimal	4247295
CIE _{Lab}	77.55, -21.68, -34.72
CIE _{LCh}	78, 40.931, 238.018
Yxy	52.4526, 0.2142, 0.2660
Android (android.graphics.Color)	4282437375 (0xFF40CEFF)
YUV	169.1280, 42.3349, -92.1973
Hunter-Lab	72.4242, -22.6402, -33.2142

Details

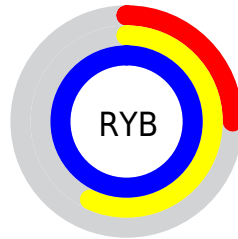
The Yxy color **52.4526, 0.2142, 0.2660** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **33.4583, 0.5323, 0.3704**, and the grayscale version is **39.5790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **26.5337, 0.2033, 0.2518** is the 20% darker color. If you saturate the color by 10%, you get **48.6992, 0.2073, 0.2563**, and if you desaturate by 10%, it is **56.7314, 0.2231, 0.2757**.

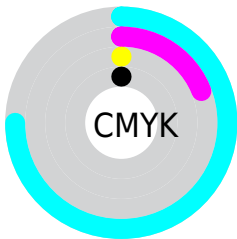
Distribution



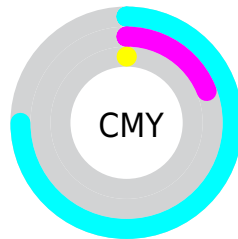
- Red (25%)
- Green (81%)
- Blue (100%)



- Red (25%)
- Yellow (57%)
- Blue (100%)



- Cyan (75%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.4526, 0.2142, 0.2660 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 52.4526, 0.2142, 0.2660 by changing the saturation by 10% instead.


 52.4526, 0.2142,
0.2660

 52.4526, 0.2142,
0.2660


396.1814, 0.2601,
0.2974

 37.3660, 0.2039,
0.2584


 93.7984, 0.2300,
0.2773


 25.4910, 0.1912,
0.2488


 120.8263, 0.2362,
0.2816

 16.4432, 0.1755,
0.2365


 152.6035, 0.2416,
0.2852

 9.8383, 0.1556,
0.2201

 189.5143, 0.2462,
0.2883

 5.2919, 0.1299,
0.1975

231.9430, 0.2503,
0.2910

 2.4195, 0.0966,
0.1654

280.2742, 0.2539,

 0.8359, 0.0383,

0.2934

0.1208

334.8922, 0.2572,
0.2955

0.0000, 0.0000,
0.0000

52.4526, 0.2142,
0.2660

52.4526, 0.2142,
0.2660

48.6992, 0.2073,
0.2563

56.7314, 0.2231,
0.2757

45.4061, 0.2025,
0.2467

61.5787, 0.2338,
0.2852

43.8525, 0.2005,
0.2418

67.0384, 0.2462,
0.2944

73.1477, 0.2599,
0.3032

79.9407, 0.2745,
0.3114

■ 87.4486, 0.2897,
0.3190

■ 95.7003, 0.3052,
0.3259

■ 99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



52.4526, 0.2211, 0.3083



52.4526, 0.2142, 0.2660



52.4526, 0.2302, 0.2448

Triad

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



52.4526, 0.2142, 0.2660



52.4526, 0.3749, 0.2952



52.4526, 0.3524, 0.4293

Complementary

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



52.4526, 0.2142, 0.2660



33.4583, 0.5323, 0.3704

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.



52.4526, 0.3980, 0.4144



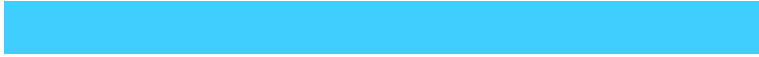
52.4526, 0.2142, 0.2660



52.4526, 0.4135, 0.3363

Square

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



52.4526, 0.2142, 0.2660



52.4526, 0.3198, 0.2627



52.4526, 0.4215, 0.3790



52.4526, 0.2984, 0.4112

Rectangle

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



52.4526, 0.2142, 0.2660



52.4526, 0.2528, 0.2424



52.4526, 0.4215, 0.3790



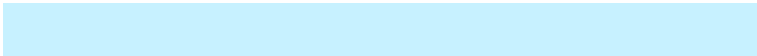
52.4526, 0.3692, 0.4275

Sweetspot

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



52.4545, 0.2142, 0.2660



82.0239, 0.2788, 0.3136



73.7745, 0.2874, 0.5198



17.1354, 0.2747, 0.3115



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.



52.4545, 0.2142, 0.2660



46.9583, 0.2046, 0.2513



19.8596, 0.1816, 0.1390



19.6458, 0.2980, 0.3228



23.1684, 0.2009, 0.2434



2.4316, 0.2040, 0.2543

Inverse Universe

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



29.3915, 0.3744, 0.2030



25.9669, 0.3904, 0.1965



66.3850, 0.4445, 0.4572



18.2160, 0.3178, 0.3115



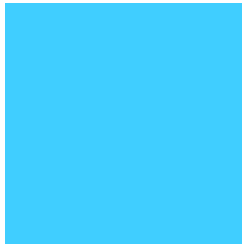
13.0668, 0.3989, 0.1971



1.2900, 0.3880, 0.1911

Previews

White Background



This preview shows how the Yxy color 52.4526, 0.2142, 0.2660 looks on a white background.

Color Contrast Check

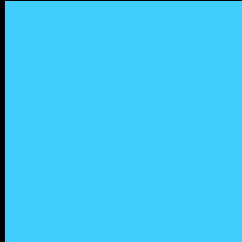
Large Text (above 18pt) WCAG AA × Fail

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 52.4526, 0.2142, 0.2660 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 52.4526, 0.2142, 0.2660

Background



This preview shows how black text looks on a background with the Yxy color 52.4526, 0.2142, 0.2660.

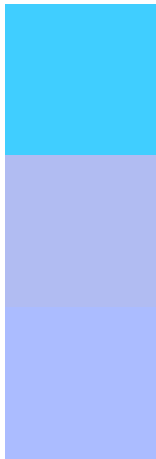


This preview shows how white text looks on a background with the Yxy color 52.4526, 0.2142, 0.2660.

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

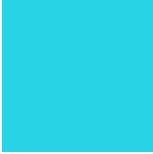
52.4526, 0.2142, 0.2660

Protanopia

51.7244, 0.2672, 0.2651

Deuteranopia

51.8444, 0.2558, 0.2511



Tritanopia

52.6213, 0.2213, 0.3054

Trichromacy



Original Color

52.4526, 0.2142, 0.2660



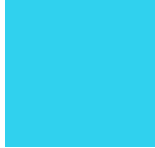
Protanomaly

50.9799, 0.2409, 0.2644



Deuteranomaly

51.1557, 0.2351, 0.2555



Tritanomaly

52.4024, 0.2182, 0.2899

Monochromacy



Original Color

52.4526, 0.2142, 0.2660



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.4513, 0.2610, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4526, 0.2142, 0.2660 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(64, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 206, 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(64, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.4526, 0.2142, 0.2660 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(64, 206, 255) }
```

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

```
.border{ border-color:rgb(64, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4526, 0.2142, 0.2660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 206, 255) }
```

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

```
.background{ background-color: rgb(64, 206,  
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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