

Converting Colors

$Y_{xy}(51.7660, 0.2135, 0.2641)$

Have a look what the booklet for
Yxy(51.7660, 0.2135, 0.2641)
contains.

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Color

Yxy(51.9394, 0.2136, 0.2646)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 3FCDFE |
| RGB | 63, 205, 255 |
| RGB Percent | 25%, 80%, 100% |
| CMY | 0.7532, 0.1961, 0.0000 |
| CMYK | 0.75, 0.20, 0.00, 0.00 |
| HSL | 196°, 100%, 62% |
| HSV | 196°, 75%, 100% |
| XYZ | 41.9284, 51.9394, 102.4262 |
| YIQ | 168.2420, -100.6820, -14.5540 |

Conversions

Conversions Part 2

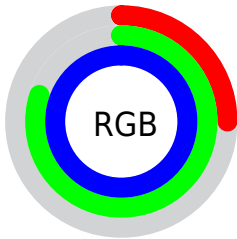
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 63, 145, 255 |
| Decimal | 4181503 |
| CIE Lab | 77.24, -21.29, -35.20 |
| CIE LCh | 77, 41.140, 238.827 |
| Yxy | 51.9394, 0.2136, 0.2646 |
| Android (android.graphics.Color) | 4282371583 (0xFF3FCDFE) |
| YUV | 168.2420, 42.7717, -92.2972 |
| Hunter-Lab | 72.0690, -22.2728, -33.8161 |

Details

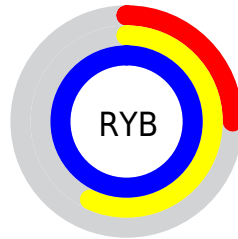
The Yxy color **51.9394, 0.2136, 0.2646** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **33.4148, 0.5333, 0.3710**, and the grayscale version is **39.0993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **26.2104, 0.2028, 0.2500** is the 20% darker color. If you saturate the color by 10%, you get **48.1787, 0.2068, 0.2547**, and if you desaturate by 10%, it is **56.2261, 0.2225, 0.2745**.

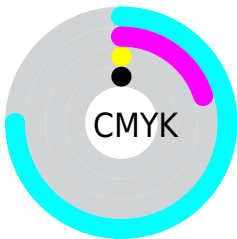
Distribution



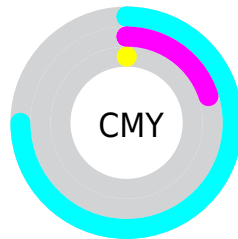
- Red (25%)
- Green (80%)
- Blue (100%)



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



- Cyan (75%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (75%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9394, 0.2136, 0.2646 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 51.9394, 0.2136, 0.2646 by changing the saturation by 10% instead.


 51.9394, 0.2136,
0.2646


 51.9394, 0.2136,
0.2646


394.2026, 0.2598,
0.2967

 36.9568, 0.2032,
0.2568


 93.0419, 0.2296,
0.2761


 25.1740, 0.1904,
0.2471


 119.9305, 0.2358,
0.2805

 16.2068, 0.1746,
0.2345


 151.5566, 0.2412,
0.2842

 9.6706, 0.1545,
0.2177

 188.3045, 0.2459,
0.2874

 5.1811, 0.1287,
0.1948

230.5587, 0.2500,
0.2902

 2.3539, 0.0951,
0.1622

278.7035, 0.2536,

 0.8020, 0.0354,

0.2926

0.1171

333.1233, 0.2569,
0.2948

■ 0.0000, 0.0000,
0.0000

■ 51.9394, 0.2136,
0.2646

■ 51.9394, 0.2136,
0.2646

■ 48.1787, 0.2068,
0.2547

■ 56.2261, 0.2225,
0.2745

■ 44.8791, 0.2019,
0.2450

■ 61.0832, 0.2332,
0.2842

■ 43.4527, 0.2001,
0.2405

■ 66.5548, 0.2455,
0.2935

■ 72.6783, 0.2592,
0.3024

■ 79.4879, 0.2738,
0.3108

■ 87.0150, 0.2890,
0.3185

■ 95.2887, 0.3045,
0.3255

100.0000, 0.3127,
0.3290

Harmonies

Analogous

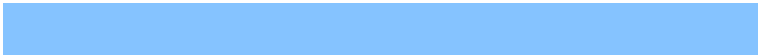
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.9394, 0.2199, 0.3067



51.9394, 0.2136, 0.2646



51.9394, 0.2303, 0.2438

Triad

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



51.9394, 0.2136, 0.2646



51.9394, 0.3768, 0.2959



51.9394, 0.3512, 0.4301

Complementary

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



51.9394, 0.2136, 0.2646



33.4148, 0.5333, 0.3710

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.



51.9394, 0.3977, 0.4158



51.9394, 0.2136, 0.2646



51.9394, 0.4150, 0.3375

Square

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



51.9394, 0.2136, 0.2646



51.9394, 0.3214, 0.2629



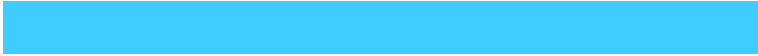
51.9394, 0.4222, 0.3804



51.9394, 0.2968, 0.4110

Rectangle

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



51.9394, 0.2136, 0.2646



51.9394, 0.2534, 0.2418



51.9394, 0.4222, 0.3804



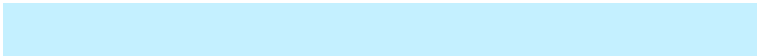
51.9394, 0.3683, 0.4286

Sweetspot

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



51.9409, 0.2136, 0.2646



81.1658, 0.2773, 0.3126



73.7218, 0.2874, 0.5210



16.8161, 0.2719, 0.3097



0.0000, 0.0000, 0.0000



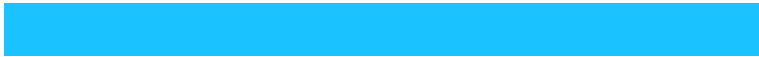
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.9409, 0.2136, 0.2646



46.5797, 0.2043, 0.2501



19.6349, 0.1809, 0.1378



19.6340, 0.2980, 0.3227



22.9602, 0.2006, 0.2421



2.4128, 0.2037, 0.2532

Inverse Universe

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



29.2171, 0.3757, 0.2032



25.9287, 0.3915, 0.1972



66.2373, 0.4452, 0.4575



18.2149, 0.3178, 0.3116



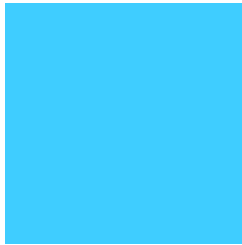
13.0458, 0.4002, 0.1978



1.2881, 0.3891, 0.1917

Previews

White Background



This preview shows how the Yxy color 51.9394, 0.2136, 0.2646 looks on a white background.

Color Contrast Check

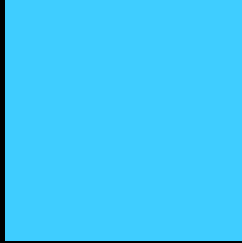
Large Text (above 18pt) WCAG AA × Fail

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 51.9394, 0.2136, 0.2646 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

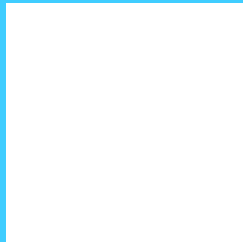
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9394, 0.2136, 0.2646

Background



This preview shows how black text looks on a background with the Yxy color 51.9394, 0.2136, 0.2646.



This preview shows how white text looks on a background with the Yxy color 51.9394, 0.2136, 0.2646.

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

51.9394, 0.2136, 0.2646

Protanopia

51.0654, 0.2658, 0.2636

Deuteranopia

51.1957, 0.2544, 0.2496



Tritanopia

52.0143, 0.2209, 0.3053

Trichromacy



Original Color

51.9394, 0.2136, 0.2646

Protanomaly

50.3673, 0.2397, 0.2629

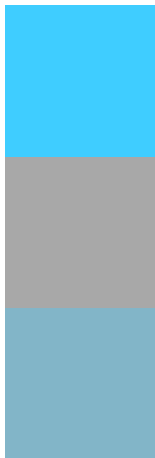
Deuteranomaly

50.5494, 0.2339, 0.2540

Tritanomaly

51.8070, 0.2179, 0.2897

Monochromacy



Original Color

51.9394, 0.2136, 0.2646

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

41.9637, 0.2602, 0.3020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9394, 0.2136, 0.2646 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(63, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(63, 205, 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(63, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.9394, 0.2136, 0.2646 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(63, 205, 255) }
```

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

```
.border{ border-color:rgb(63, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(63, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9394, 0.2136, 0.2646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 205, 255) }
```

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

```
.background{ background-color: rgb(63, 205,  
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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