

Converting Colors

$Y_{xy}(54.4767, 0.2142, 0.2721)$

Have a look what the booklet for
Yxy(54.4767, 0.2142, 0.2721)
contains.

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Color

Yxy(54.6493, 0.2143, 0.2725)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 38D3FF |
| RGB | 56, 211, 255 |
| RGB Percent | 22%, 83%, 100% |
| CMY | 0.7805, 0.1725, 0.0000 |
| CMYK | 0.78, 0.17, 0.00, 0.00 |
| HSL | 193°, 100%, 61% |
| HSV | 193°, 78%, 100% |
| XYZ | 42.9774, 54.6493, 102.9212 |
| YIQ | 169.6710, -106.5040, -19.1760 |

Conversions

Conversions Part 2

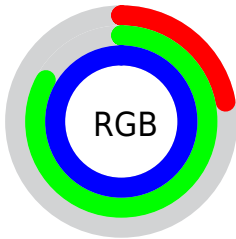
| Format | Color |
|-------------------------------------|--|
| RYB | 56, 143, 255 |
| Decimal | 3724287 |
| CIELab | 78.84, -25.02, -32.77 |
| CIELCh | 79, 41.225, 232.636 |
| Yxy | 54.6493, 0.2143, 0.2725 |
| Android (android.graphics.Color) | 4281914367 (0xFF38D3FF) |
| YUV | 169.6710, 42.0672, -99.6895 |
| Hunter-Lab | 73.9252, -25.5956, -30.7980 |

Details

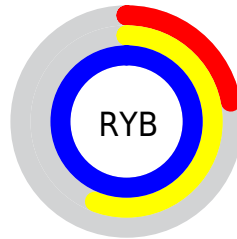
The Yxy color **54.6493, 0.2143, 0.2725** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **30.6515, 0.5513, 0.3633**, and the grayscale version is **39.8468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **27.8542, 0.2053, 0.2589** is the 20% darker color. If you saturate the color by 10%, you get **51.3403, 0.2086, 0.2643**, and if you desaturate by 10%, it is **58.4292, 0.2220, 0.2808**.

Distribution



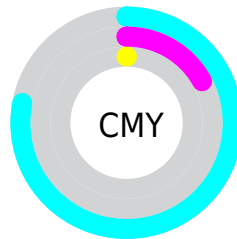
- Red (22%)
- Green (83%)
- Blue (100%)



- Red (22%)
- Yellow (56%)
- Blue (100%)



- Cyan (78%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)





- Cyan (78%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.6493, 0.2143, 0.2725 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 54.6493, 0.2143, 0.2725 by changing the saturation by 10% instead.


 54.6493, 0.2143,
0.2725


 54.6493, 0.2143,
0.2725


404.5812, 0.2598,
0.3008


 39.1210, 0.2041,
0.2656


 97.0269, 0.2300,
0.2827


 26.8539, 0.1916,
0.2569


 124.6451, 0.2361,
0.2866

 17.4635, 0.1762,
0.2456


 157.0619, 0.2414,
0.2898

 10.5655, 0.1566,
0.2305

 194.6619, 0.2461,
0.2927

 5.7755, 0.1315,
0.2096

237.8295, 0.2501,
0.2951

 2.7090, 0.0988,
0.1795

286.9489, 0.2537,

 0.9818, 0.0445,

0.2973

0.1367

342.4047, 0.2569,
0.2992

0.0000, 0.0000,
0.0000

54.6493, 0.2143,
0.2725

54.6493, 0.2143,
0.2725

51.3403, 0.2086,
0.2643

58.4292, 0.2220,
0.2808

48.4345, 0.2047,
0.2562

62.7322, 0.2317,
0.2890

47.8974, 0.2041,
0.2546

67.6011, 0.2431,
0.2969

73.0742, 0.2560,
0.3045

79.1856, 0.2700,
0.3117

■ 85.9670, 0.2849,
0.3183

■ 93.4476, 0.3002,
0.3245

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.



54.6493, 0.2253, 0.3178



54.6493, 0.2143, 0.2725



54.6493, 0.2262, 0.2475

Triad

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



54.6493, 0.2143, 0.2725



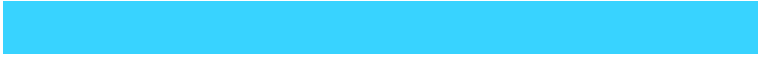
54.6493, 0.3653, 0.2888



54.6493, 0.3613, 0.4281

Complementary

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



54.6493, 0.2143, 0.2725



30.6515, 0.5513, 0.3633

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.



54.6493, 0.4037, 0.4086



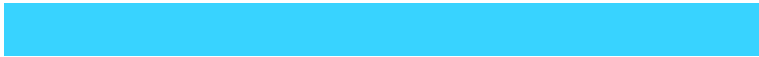
54.6493, 0.2143, 0.2725



54.6493, 0.4079, 0.3286

Square

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



54.6493, 0.2143, 0.2725



54.6493, 0.3098, 0.2586



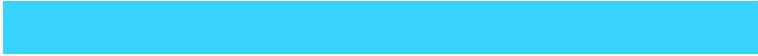
54.6493, 0.4219, 0.3714



54.6493, 0.3081, 0.4164

Rectangle

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



54.6493, 0.2143, 0.2725



54.6493, 0.2462, 0.2427



54.6493, 0.4219, 0.3714



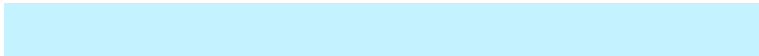
54.6493, 0.3774, 0.4245

Sweetspot

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



54.6489, 0.2143, 0.2725



82.5280, 0.2775, 0.3151



73.2621, 0.2898, 0.5356



17.1493, 0.2721, 0.3127



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.



54.6489, 0.2143, 0.2725



49.5714, 0.2061, 0.2595



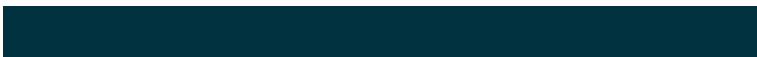
19.7264, 0.1793, 0.1386



19.7600, 0.2980, 0.3236



25.2591, 0.2044, 0.2560



2.6194, 0.2070, 0.2653

Inverse Universe

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



28.7877, 0.3688, 0.1951



25.8751, 0.3827, 0.1901



62.2106, 0.4548, 0.4542



18.2276, 0.3172, 0.3107



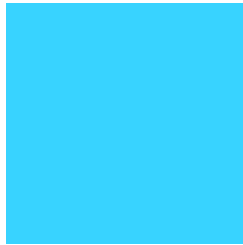
13.2779, 0.3863, 0.1902



1.3090, 0.3773, 0.1852

Previews

White Background



This preview shows how the Yxy color 54.6493, 0.2143, 0.2725 looks on a white background.

Color Contrast Check

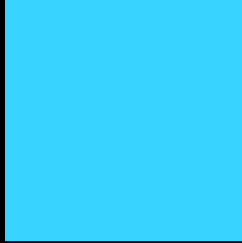
Large Text (above 18pt) WCAG AA × Fail

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 54.6493, 0.2143, 0.2725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

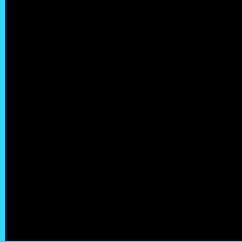
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.6493, 0.2143, 0.2725

Background



This preview shows how black text looks on a background with the Yxy color 54.6493, 0.2143, 0.2725.

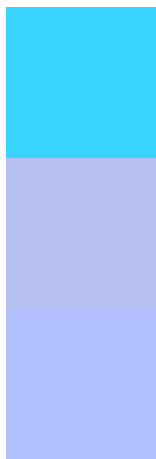


This preview shows how white text looks on a background with the Yxy color 54.6493, 0.2143, 0.2725.

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

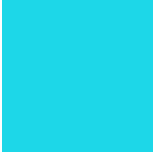
54.6493, 0.2143, 0.2725

Protanopia

53.9952, 0.2717, 0.2716

Deuteranopia

53.8287, 0.2601, 0.2554



Tritanopia

54.6883, 0.2201, 0.3057

Trichromacy



Original Color

54.6493, 0.2143, 0.2725



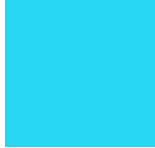
Protanomaly

52.7349, 0.2423, 0.2707



Deuteranomaly

52.5947, 0.2363, 0.2594



Tritanomaly

54.8157, 0.2180, 0.2942

Monochromacy



Original Color

54.6493, 0.2143, 0.2725



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.5821, 0.2597, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.6493, 0.2143, 0.2725 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(56, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(56, 211, 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(56, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 211, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.6493, 0.2143, 0.2725 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(56, 211, 255) }
```

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

```
.border{ border-color:rgb(56, 211, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(56, 211,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.6493, 0.2143, 0.2725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 211, 255) }
```

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

```
.background{ background-color: rgb(56, 211,  
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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