

Converting Colors

$Yxy(59.2941, 0.2235, 0.2827)$

Have a look what the booklet for
Yxy(59.2941, 0.2235, 0.2827)
contains.

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Color

Yxy(59.2941, 0.2235, 0.2827)

Conversions

Conversions Part 1

Format	Color
Hex	55DAFF
RGB	85, 218, 255
RGB Percent	33%, 85%, 100%
CMY	0.6660, 0.1451, 0.0000
CMYK	0.67, 0.15, 0.00, 0.00
HSL	193°, 100%, 67%
HSV	193°, 67%, 100%
XYZ	46.8774, 59.2941, 103.5707
YIQ	182.4510, -91.1450, -16.6890

Conversions

Conversions Part 2

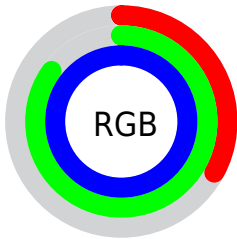
Format	Color
R _Y B	85, 160, 255
Decimal	5626623
CIE Lab	81.45, -25.01, -28.67
CIE LCh	81, 38.048, 228.898
Yxy	59.2941, 0.2235, 0.2827
Android (android.graphics.Color)	4283816703 (0xFF55DAFF)
YUV	182.4510, 35.7667, -85.4645
Hunter-Lab	77.0027, -26.0882, -25.8448

Details

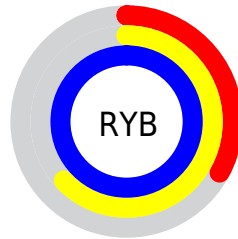
The Yxy color **59.2941, 0.2235, 0.2827** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **35.8791, 0.5053, 0.3636**, and the grayscale version is **46.9022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **30.2716, 0.2087, 0.2712** is the 20% darker color. If you saturate the color by 10%, you get **55.4741, 0.2155, 0.2746**, and if you desaturate by 10%, it is **63.6450, 0.2334, 0.2907**.

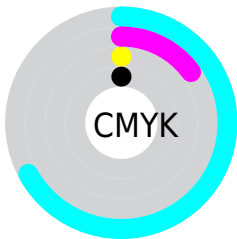
Distribution



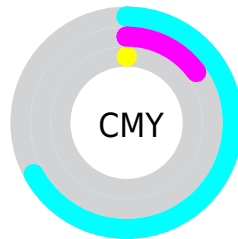
- Red (33%)
- Green (85%)
- Blue (100%)



- Red (33%)
- Yellow (63%)
- Blue (100%)



- Cyan (67%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.2941, 0.2235, 0.2827 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 59.2941, 0.2235, 0.2827 by changing the saturation by 10% instead.

 59.2941, 0.2235,
0.2827

 59.2941, 0.2235,
0.2827


421.9909, 0.2645,
0.3058


 42.8499, 0.2143,
0.2771

 103.8050, 0.2376,
0.2910


 29.7674, 0.2031,
0.2700


 132.6405, 0.2431,
0.2942

 19.6621, 0.1892,
0.2608


 166.3752, 0.2479,
0.2968

 12.1497, 0.1716,
0.2485

 205.3935, 0.2521,
0.2991

 6.8457, 0.1486,
0.2313

250.0799, 0.2557,
0.3011

 3.3658, 0.1182,
0.2061

300.8186, 0.2590,

 1.3255, 0.0753,

0.3029

0.1679

357.9942, 0.2619,
0.3044

■ 0.1609, 0.0000,
0.0550

■ 0.0000, 0.0000,
0.0000

■ 59.2941, 0.2235,
0.2827

■ 59.2941, 0.2235,
0.2827

■ 55.4741, 0.2155,
0.2746

■ 63.6450, 0.2334,
0.2907

■ 52.1290, 0.2096,
0.2665

■ 68.5628, 0.2450,
0.2985

■ 49.1990, 0.2055,
0.2585

■ 74.0869, 0.2580,
0.3059

■ 48.2645, 0.2044,
0.2558

■ 80.2513, 0.2722,
0.3129

■ 87.0871, 0.2871,
0.3194

■ 94.6230, 0.3025,
0.3254

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



59.2941, 0.2364, 0.3254



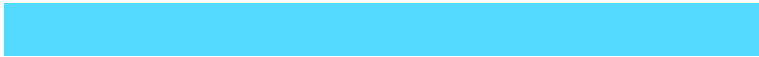
59.2941, 0.2235, 0.2827



59.2941, 0.2318, 0.2571

Triad

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



59.2941, 0.2235, 0.2827



59.2941, 0.3542, 0.2886



59.2941, 0.3626, 0.4171

Complementary

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



59.2941, 0.2235, 0.2827



35.8791, 0.5053, 0.3636

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.



59.2941, 0.3983, 0.3979



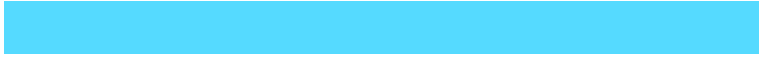
59.2941, 0.2235, 0.2827



59.2941, 0.3946, 0.3244

Square

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



59.2941, 0.2235, 0.2827



59.2941, 0.3041, 0.2625



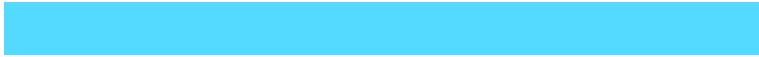
59.2941, 0.4109, 0.3634



59.2941, 0.3151, 0.4098

Rectangle

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



59.2941, 0.2235, 0.2827



59.2941, 0.2486, 0.2509



59.2941, 0.4109, 0.3634



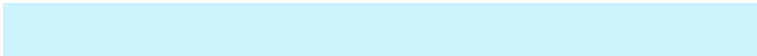
59.2941, 0.3764, 0.4132

Sweetspot

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



59.2963, 0.2235, 0.2827



84.6913, 0.2820, 0.3173



74.8564, 0.2898, 0.5042



17.7154, 0.2778, 0.3154



0.0000, 0.0000, 0.0000



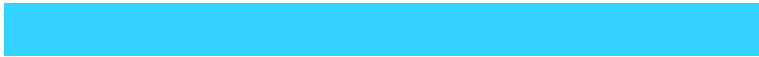
21.4041, 0.3127, 0.3290

Same Dimension

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



59.2963, 0.2235, 0.2827



54.2900, 0.2133, 0.2718



26.0138, 0.1960, 0.1686



19.7702, 0.2980, 0.3237



25.4515, 0.2048, 0.2571



2.6366, 0.2073, 0.2662

Inverse Universe

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



32.8443, 0.3580, 0.2057



28.3084, 0.3698, 0.1934



66.4817, 0.4354, 0.4442



18.2286, 0.3172, 0.3106



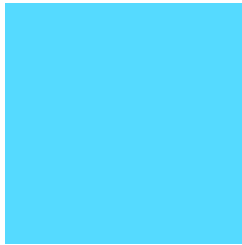
13.2973, 0.3852, 0.1896



1.3107, 0.3764, 0.1847

Previews

White Background



This preview shows how the Yxy color 59.2941, 0.2235, 0.2827 looks on a white background.

Color Contrast Check

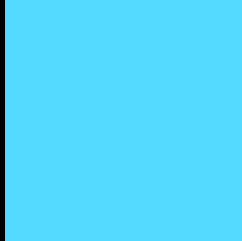
Large Text (above 18pt) WCAG AA × Fail

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 59.2941, 0.2235, 0.2827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

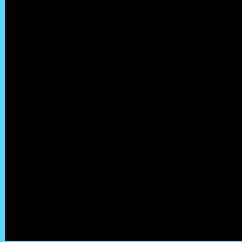
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.2941, 0.2235, 0.2827

Background



This preview shows how black text looks on a background with the Yxy color 59.2941, 0.2235, 0.2827.



This preview shows how white text looks on a background with the Yxy color 59.2941, 0.2235, 0.2827.

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

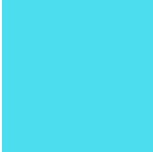
59.2941, 0.2235, 0.2827

Protanopia

58.4641, 0.2786, 0.2799

Deuteranopia

58.5553, 0.2694, 0.2652



Tritanopia

59.4814, 0.2281, 0.3055

Trichromacy



Original Color

59.2941, 0.2235, 0.2827



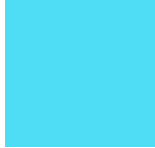
Protanomaly

57.6303, 0.2524, 0.2798



Deuteranomaly

57.5580, 0.2477, 0.2698



Tritanomaly

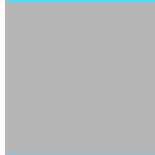
59.4412, 0.2263, 0.2969

Monochromacy



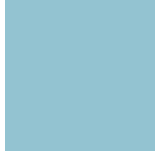
Original Color

59.2941, 0.2235, 0.2827



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

49.8367, 0.2682, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.2941, 0.2235, 0.2827 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(85, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(85, 218, 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(85, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.2941, 0.2235, 0.2827 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(85, 218, 255) }
```

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

```
.border{ border-color:rgb(85, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(85, 218,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.2941, 0.2235, 0.2827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 218, 255) }
```

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

```
.background{ background-color: rgb(85, 218,  
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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