

Converting Colors

$Yxy(57.2934, 0.2202, 0.2717)$

Have a look what the booklet for
Yxy(57.2934, 0.2202, 0.2717)
contains.

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Color

Yxy(57.2444, 0.2222, 0.2774)

Conversions

Conversions Part 1

Format	Color
Hex	55D6FF
RGB	85, 214, 255
RGB Percent	33%, 84%, 100%
CMY	0.6662, 0.1608, 0.0000
CMYK	0.67, 0.16, 0.00, 0.00
HSL	194°, 100%, 67%
HSV	194°, 67%, 100%
XYZ	45.8533, 57.2444, 103.2628
YIQ	180.1030, -90.0450, -14.5970

Conversions

Conversions Part 2

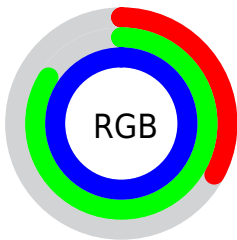
Format	Color
R _Y B	85, 158, 255
Decimal	5625599
CIE Lab	80.32, -23.01, -30.43
CIE LCh	80, 38.156, 232.905
Yxy	57.2444, 0.2222, 0.2774
Android (android.graphics.Color)	4283815679 (0xFF55D6FF)
YUV	180.1030, 36.9242, -83.4053
Hunter-Lab	75.6600, -24.2262, -27.9585

Details

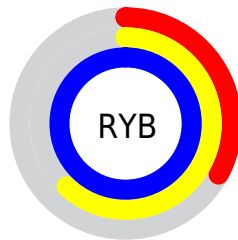
The Yxy color **57.2444, 0.2222, 0.2774** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **36.8711, 0.5020, 0.3676**, and the grayscale version is **45.5498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **28.8735, 0.2067, 0.2642** is the 20% darker color. If you saturate the color by 10%, you get **53.1997, 0.2139, 0.2684**, and if you desaturate by 10%, it is **61.8374, 0.2324, 0.2864**.

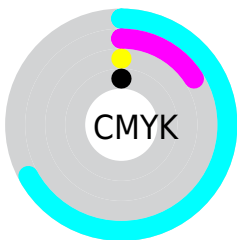
Distribution



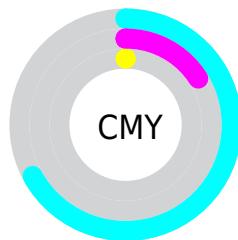
- Red (33%)
- Green (84%)
- Blue (100%)



- Red (33%)
- Yellow (62%)
- Blue (100%)



- Cyan (67%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.2444, 0.2222, 0.2774 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 57.2444, 0.2222, 0.2774 by changing the saturation by 10% instead.

 57.2444, 0.2222,
0.2774


 57.2444, 0.2222,
0.2774


414.3645, 0.2640,
0.3031

 41.2015, 0.2128,
0.2712


 100.8217, 0.2366,
0.2866

 28.4766, 0.2014,
0.2634


 129.1249, 0.2422,
0.2901

 18.6852, 0.1871,
0.2532


 162.2837, 0.2471,
0.2931

 11.4430, 0.1690,
0.2397

 200.6823, 0.2513,
0.2956

 6.3657, 0.1454,
0.2209

244.7054, 0.2551,
0.2979

 3.0687, 0.1142,
0.1937

294.7372, 0.2584,

 1.1677, 0.0687,

0.2998

0.1532

351.1621, 0.2613,
0.3015

0.0351, 0.0000,
0.0127

0.0000, 0.0000,
0.0000

57.2444, 0.2222,
0.2774

57.2444, 0.2222,
0.2774

53.1997, 0.2139,
0.2684

61.8374, 0.2324,
0.2864

49.6524, 0.2076,
0.2593

67.0205, 0.2443,
0.2951

46.5406, 0.2033,
0.2503

72.8318, 0.2576,
0.3033

45.5564, 0.2020,
0.2473

79.3055, 0.2720,
0.3111

■ 86.4731, 0.2870,
0.3184

■ 94.3636, 0.3024,
0.3250

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.



57.2444, 0.2324, 0.3188



57.2444, 0.2222, 0.2774



57.2444, 0.2334, 0.2541

Triad

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



57.2444, 0.2222, 0.2774



57.2444, 0.3612, 0.2925



57.2444, 0.3572, 0.4192

Complementary

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



57.2444, 0.2222, 0.2774



36.8711, 0.5020, 0.3676

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.



57.2444, 0.3958, 0.4025



57.2444, 0.2222, 0.2774



57.2444, 0.3996, 0.3295

Square

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



57.2444, 0.2222, 0.2774



57.2444, 0.3107, 0.2644



57.2444, 0.4122, 0.3689



57.2444, 0.3084, 0.4078

Rectangle

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



57.2444, 0.2222, 0.2774



57.2444, 0.2521, 0.2496



57.2444, 0.4122, 0.3689



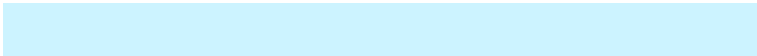
57.2444, 0.3718, 0.4163

Sweetspot

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



57.2447, 0.2222, 0.2774



83.9724, 0.2819, 0.3160



74.9310, 0.2887, 0.5007



17.5415, 0.2776, 0.3140



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.



57.2447, 0.2222, 0.2774



51.9485, 0.2116, 0.2653



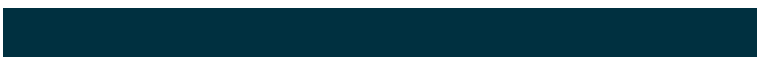
25.2330, 0.1951, 0.1649



19.6946, 0.2980, 0.3231



24.0487, 0.2025, 0.2488



2.5109, 0.2053, 0.2590

Inverse Universe

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



32.6295, 0.3626, 0.2089



28.0720, 0.3758, 0.1971



67.8614, 0.4334, 0.4466



18.2210, 0.3175, 0.3111



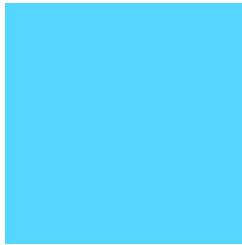
13.1557, 0.3934, 0.1941



1.2980, 0.3834, 0.1886

Previews

White Background



This preview shows how the Yxy color 57.2444, 0.2222, 0.2774 looks on a white background.

Color Contrast Check

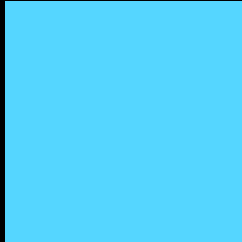
Large Text (above 18pt) WCAG AA × Fail

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 57.2444, 0.2222, 0.2774 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 57.2444, 0.2222, 0.2774

Background



This preview shows how black text looks on a background with the Yxy color 57.2444, 0.2222, 0.2774.



This preview shows how white text looks on a background with the Yxy color 57.2444, 0.2222, 0.2774.

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

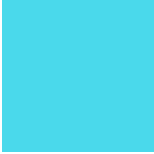
57.2444, 0.2222, 0.2774

Protanopia

56.4555, 0.2749, 0.2759

Deuteranopia

56.5645, 0.2658, 0.2611



Tritanopia

57.0797, 0.2279, 0.3051

Trichromacy



Original Color

57.2444, 0.2222, 0.2774

Protanomaly

55.9113, 0.2502, 0.2758

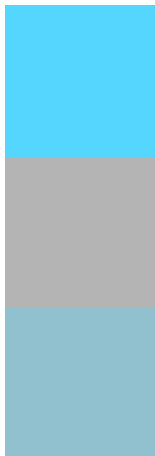
Deuteranomaly

55.8506, 0.2454, 0.2658

Tritanomaly

57.1422, 0.2259, 0.2952

Monochromacy



Original Color

57.2444, 0.2222, 0.2774

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

48.2240, 0.2676, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2444, 0.2222, 0.2774 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, 214, 255)` looks like.

```
.text, #text, p{  
  color:rgb(85, 214, 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, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 57.2444, 0.2222, 0.2774 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, 214, 255) }
```

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

```
.border{ border-color:rgb(85, 214, 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, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(85, 214,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 57.2444, 0.2222, 0.2774$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 214, 255) }
```

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

```
.background{ background-color: rgb(85, 214,  
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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