

Converting Colors

$Y_{xy}(55.8479, 0.2128, 0.2766)$

Have a look what the booklet for
Yxy(55.8479, 0.2128, 0.2766)
contains.

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Color

Yxy(55.7445, 0.2128, 0.2763)

Conversions

Conversions Part 1

Format	Color
Hex	27D6FF
RGB	39, 214, 255
RGB Percent	15%, 84%, 100%
CMY	0.8464, 0.1608, 0.0001
CMYK	0.85, 0.16, 0.00, 0.00
HSL	191°, 100%, 58%
HSV	191°, 85%, 100%
XYZ	42.9332, 55.7445, 103.0759
YIQ	166.3490, -117.4610, -24.3490

Conversions

Conversions Part 2

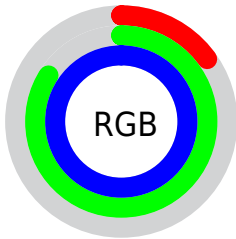
Format	Color
R _Y B	39, 136, 255
Decimal	2610943
CIE Lab	79.47, -27.86, -31.78
CIE LCh	79, 42.264, 228.757
Yxy	55.7445, 0.2128, 0.2763
Android (android.graphics.Color)	4280801023 (0xFF27D6FF)
YUV	166.3490, 43.7049, -111.6851
Hunter-Lab	74.6622, -28.0158, -29.5900

Details

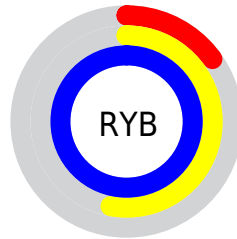
The Yxy color **55.7445, 0.2128, 0.2763** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.1596, 0.5816, 0.3552**, and the grayscale version is **38.1632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **28.8735, 0.2067, 0.2642** is the 20% darker color. If you saturate the color by 10%, you get **52.9887, 0.2088, 0.2694**, and if you desaturate by 10%, it is **58.9110, 0.2188, 0.2833**.

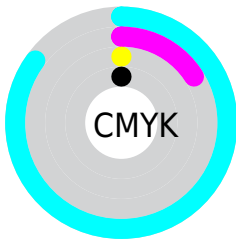
Distribution



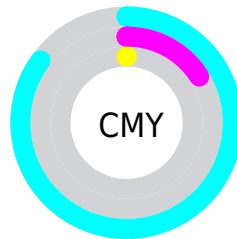
- Red (15%)
- Green (84%)
- Blue (100%)



- Red (15%)
- Yellow (53%)
- Blue (100%)



- Cyan (85%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (85%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7445, 0.2128, 0.2763 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 55.7445, 0.2128, 0.2763 by changing the saturation by 10% instead.


 55.7445, 0.2128,
0.2763

 55.7445, 0.2128,
0.2763


408.7279, 0.2588,
0.3029


 39.9981, 0.2025,
0.2698


 98.6309, 0.2286,
0.2859


 27.5371, 0.1900,
0.2615


 126.5397, 0.2348,
0.2895

 17.9770, 0.1745,
0.2508


 159.2715, 0.2402,
0.2926

 10.9335, 0.1549,
0.2364

 197.2105, 0.2449,
0.2953

 6.0221, 0.1298,
0.2163

240.7413, 0.2490,
0.2976

 2.8585, 0.0973,
0.1872

290.2482, 0.2527,

 1.0583, 0.0434,

0.2996

0.1455

346.1156, 0.2559,
0.3013

■ 0.0000, 0.0000,
0.0000

■ 55.7445, 0.2128,
0.2763

■ 55.7445, 0.2128,
0.2763

■ 52.9887, 0.2088,
0.2694

■ 58.9110, 0.2188,
0.2833

■ 51.6326, 0.2072,
0.2657

■ 62.5406, 0.2267,
0.2903

■ 66.6827, 0.2366,
0.2971

■ 71.3782, 0.2481,
0.3038

■ 76.6637, 0.2611,
0.3102

■ 82.5718, 0.2752,
0.3161

■ 89.1331, 0.2901,
0.3217

■ 96.3756, 0.3055,
0.3268

■ 99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



55.7445, 0.2270, 0.3246



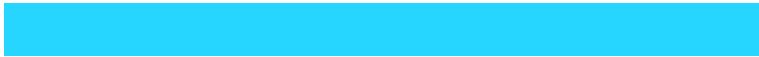
55.7445, 0.2128, 0.2763



55.7445, 0.2219, 0.2481

Triad

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



55.7445, 0.2128, 0.2763



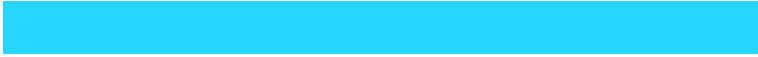
55.7445, 0.3593, 0.2834



55.7445, 0.3686, 0.4289

Complementary

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



55.7445, 0.2128, 0.2763



27.1596, 0.5816, 0.3552

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.



55.7445, 0.4093, 0.4057



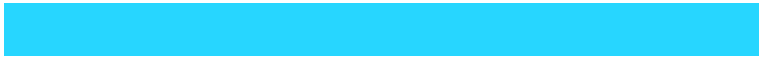
55.7445, 0.2128, 0.2763



55.7445, 0.4055, 0.3230

Square

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



55.7445, 0.2128, 0.2763



55.7445, 0.3024, 0.2545



55.7445, 0.4239, 0.3664



55.7445, 0.3150, 0.4218

Rectangle

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



55.7445, 0.2128, 0.2763



55.7445, 0.2404, 0.2414



55.7445, 0.4239, 0.3664



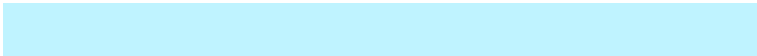
55.7445, 0.3843, 0.4239

Sweetspot

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



55.7465, 0.2128, 0.2763



82.3688, 0.2747, 0.3159



72.4945, 0.2927, 0.5584



17.1720, 0.2696, 0.3139



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.



55.7465, 0.2128, 0.2763



51.6476, 0.2072, 0.2657



18.2747, 0.1737, 0.1312



19.8607, 0.2980, 0.3244



27.1963, 0.2075, 0.2669



2.7920, 0.2097, 0.2747

Inverse Universe

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



27.5715, 0.3661, 0.1866



25.7450, 0.3769, 0.1850



56.7867, 0.4711, 0.4512



18.2377, 0.3167, 0.3100



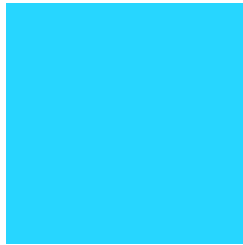
13.4735, 0.3758, 0.1844



1.3264, 0.3684, 0.1803

Previews

White Background



This preview shows how the Yxy color 55.7445, 0.2128, 0.2763 looks on a white background.

Color Contrast Check

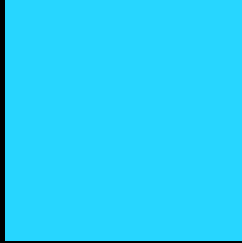
Large Text (above 18pt) WCAG AA × Fail

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 55.7445, 0.2128, 0.2763 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 55.7445, 0.2128, 0.2763

Background



This preview shows how black text looks on a background with the Yxy color 55.7445, 0.2128, 0.2763.



This preview shows how white text looks on a background with the Yxy color 55.7445, 0.2128, 0.2763.

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

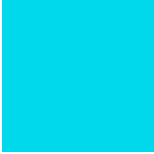
55.7445, 0.2128, 0.2763

Protanopia

54.6215, 0.2738, 0.2741

Deuteranopia

55.0632, 0.2623, 0.2582



Tritanopia

55.6239, 0.2179, 0.3045

Trichromacy



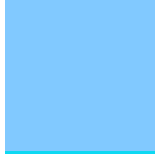
Original Color

55.7445, 0.2128, 0.2763



Protanomaly

53.1912, 0.2407, 0.2740



Deuteranomaly

53.6604, 0.2351, 0.2629



Tritanomaly

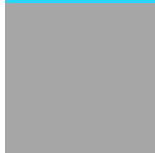
55.6159, 0.2157, 0.2943

Monochromacy



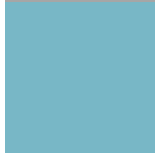
Original Color

55.7445, 0.2128, 0.2763



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.9373, 0.2555, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7445, 0.2128, 0.2763 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(39, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(39, 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(39, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.7445, 0.2128, 0.2763 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(39, 214, 255) }
```

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

```
.border{ border-color:rgb(39, 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(39, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(39, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7445, 0.2128, 0.2763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 214, 255) }
```

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

```
.background{ background-color: rgb(39, 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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