

Converting Colors

$Y_{xy}(55.1533, 0.2532, 0.2955)$

Have a look what the booklet for
Yxy(55.1533, 0.2532, 0.2955)
contains.

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Color

Yxy(55.0643, 0.2528, 0.2948)

Conversions

Conversions Part 1

Format	Color
Hex	8CCDE8
RGB	140, 205, 232
RGB Percent	55%, 80%, 91%
CMY	0.4508, 0.1961, 0.0901
CMYK	0.40, 0.12, 0.00, 0.09
HSL	198°, 67%, 73%
HSV	198°, 40%, 91%
XYZ	47.2193, 55.0643, 84.5017
YIQ	188.6430, -47.4070, -5.3830

Conversions

Conversions Part 2

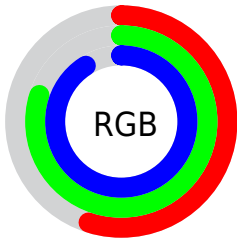
Format	Color
RYB	140, 178, 232
Decimal	9227752
CIELab	79.08, -13.82, -19.87
CIELCh	79, 24.199, 235.178
Yxy	55.0643, 0.2528, 0.2948
Android (android.graphics.Color)	4287417832 (0xFF8CCDE8)
YUV	188.6430, 21.3750, -42.6599
Hunter-Lab	74.2053, -16.2738, -15.5730

Details

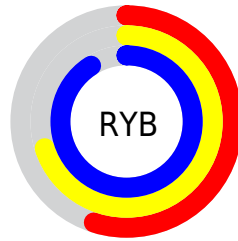
The Yxy color **55.0643, 0.2528, 0.2948** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.7184, 0.3999, 0.3602**, and the grayscale version is **50.5767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **27.1991, 0.2385, 0.2864** is the 20% darker color. If you saturate the color by 10%, you get **50.0669, 0.2393, 0.2845**, and if you desaturate by 10%, it is **60.6331, 0.2673, 0.3045**.

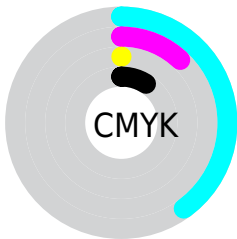
Distribution



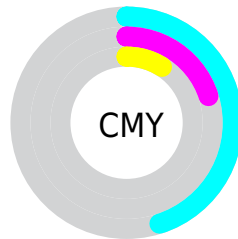
- Red (55%)
- Green (80%)
- Blue (91%)



- Red (55%)
- Yellow (70%)
- Blue (91%)



- Cyan (40%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)



- Cyan (45%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0643, 0.2528, 0.2948 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 55.0643, 0.2528, 0.2948 by changing the saturation by 10% instead.

■ 55.0643, 0.2528,
0.2948

■ 55.0643, 0.2528,
0.2948

406.1556, 0.2812,
0.3118

■ 39.4532, 0.2462,
0.2906

■ 97.6352, 0.2628,
0.3009

■ 27.1125, 0.2379,
0.2853

■ 125.3637, 0.2666,
0.3033

■ 17.6577, 0.2274,
0.2784

157.9002, 0.2699,
0.3052

■ 10.7045, 0.2135,
0.2689

195.6290, 0.2728,
0.3069

■ 5.8685, 0.1945,
0.2553

238.9346, 0.2753,
0.3084

■ 2.7653, 0.1671,
0.2344

288.2013, 0.2775,

■ 1.0105, 0.1224,

0.3097

0.2001

343.8135, 0.2795,
0.3108

0.0000, 0.0000,
0.0000

55.0643, 0.2528,
0.2948

55.0643, 0.2528,
0.2948

50.0669, 0.2393,
0.2845

60.6331, 0.2673,
0.3045

45.6057, 0.2272,
0.2737

66.7933, 0.2824,
0.3135

41.6512, 0.2167,
0.2626

73.5714, 0.2978,
0.3218

38.1671, 0.2082,
0.2514

80.9903, 0.3133,
0.3293

35.1110, 0.2017,
0.2402

88.8712, 0.3278,
0.3360

■ 32.4138, 0.1971,
0.2292

■ 92.9413, 0.3271,
0.3426

■ 32.3217, 0.1969,
0.2288

■ 97.1636, 0.3264,
0.3491

■ 98.6076, 0.3262,
0.3512

Harmonies

Analogous

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



55.0643, 0.2589, 0.3212



55.0643, 0.2528, 0.2948



55.0643, 0.2616, 0.2793

Triad

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



55.0643, 0.2528, 0.2948



55.0643, 0.3463, 0.3069



55.0643, 0.3402, 0.3863

Complementary

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



55.0643, 0.2528, 0.2948



46.7184, 0.3999, 0.3602

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.



55.0643, 0.3654, 0.3788



55.0643, 0.2528, 0.2948



55.0643, 0.3695, 0.3325

Square

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



55.0643, 0.2528, 0.2948



55.0643, 0.3145, 0.2871



55.0643, 0.3765, 0.3586



55.0643, 0.3084, 0.3767

Rectangle

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



55.0643, 0.2528, 0.2948



55.0643, 0.2750, 0.2763



55.0643, 0.3765, 0.3586



55.0643, 0.3497, 0.3856

Sweetspot

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



55.0664, 0.2528, 0.2948



89.0475, 0.2941, 0.3199



66.0635, 0.2928, 0.4153



18.8196, 0.2921, 0.3188



0.0000, 0.0000, 0.0000



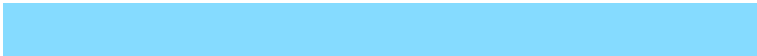
21.4041, 0.3127, 0.3290

Same Dimension

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



55.0664, 0.2528, 0.2948



62.8532, 0.2411, 0.2860



36.5380, 0.2435, 0.2344



15.5834, 0.2981, 0.3219



18.1677, 0.1974, 0.2306



1.5015, 0.2019, 0.2467

Inverse Universe

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



40.3355, 0.3426, 0.2573



43.0418, 0.3514, 0.2425



66.1893, 0.3799, 0.4082



14.5392, 0.3183, 0.3125



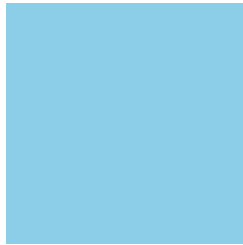
11.0318, 0.4120, 0.2043



0.8313, 0.3956, 0.1953

Previews

White Background



This preview shows how the Yxy color 55.0643, 0.2528, 0.2948 looks on a white background.

Color Contrast Check

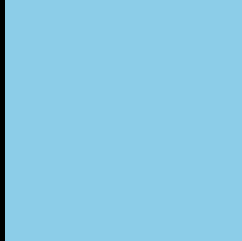
Large Text (above 18pt) WCAG AA × Fail

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 55.0643, 0.2528, 0.2948 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 55.0643, 0.2528, 0.2948

Background



This preview shows how black text looks on a background with the Yxy color 55.0643, 0.2528, 0.2948.



This preview shows how white text looks on a background with the Yxy color 55.0643, 0.2528, 0.2948.

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

55.0643, 0.2528, 0.2948

Protanopia

54.4689, 0.2884, 0.2922

Deuteranopia

54.7291, 0.2839, 0.2781



Tritanopia

54.8736, 0.2567, 0.3070

Trichromacy



Original Color

55.0643, 0.2528, 0.2948

Protanomaly

54.2492, 0.2740, 0.2924

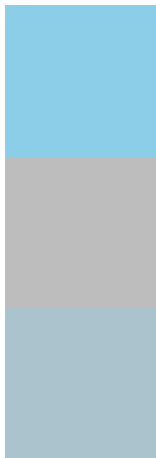
Deuteranomaly

54.4190, 0.2710, 0.2833

Tritanomaly

55.1226, 0.2556, 0.3034

Monochromacy



Original Color

55.0643, 0.2528, 0.2948

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.0959, 0.2873, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0643, 0.2528, 0.2948 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(140, 205, 232)` looks like.

```
.text, #text, p{  
    color:rgb(140, 205, 232)  
}
```

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(140, 205, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 205, 232) }
```

Border

The CSS property to change the border of an element to Yxy 55.0643, 0.2528, 0.2948 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(140, 205, 232) }
```

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

```
.border{ border-color:rgb(140, 205, 232) }
```

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

Here you see how a box with a 4 pixel rgb(140, 205, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 205, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 205, 232);  
box-shadow:4px 4px 4px 4px rgb(140, 205,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 55.0643, 0.2528, 0.2948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 205, 232) }
```

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

```
.background{ background-color: rgb(140,  
205, 232) }
```

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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