

Converting Colors

$Yxy(55.9466, 0.2274, 0.2908)$

Have a look what the booklet for
Yxy(55.9466, 0.2274, 0.2908)
contains.

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Color

Yxy(56.0255, 0.2275, 0.2914)

Conversions

Conversions Part 1

Format	Color
Hex	57D5F2
RGB	87, 213, 242
RGB Percent	34%, 84%, 95%
CMY	0.6593, 0.1646, 0.0511
CMYK	0.64, 0.12, 0.00, 0.05
HSL	191°, 86%, 64%
HSV	191°, 64%, 95%
XYZ	43.7399, 56.0255, 92.4978
YIQ	178.6320, -84.4050, -17.6930

Conversions

Conversions Part 2

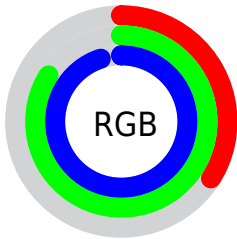
Format	Color
R _Y B	87, 157, 242
Decimal	5756402
CIE Lab	79.63, -26.17, -24.54
CIE LCh	80, 35.873, 223.166
Yxy	56.0255, 0.2275, 0.2914
Android (android.graphics.Color)	4283946482 (0xFF57D5F2)
YUV	178.6320, 31.2404, -80.3613
Hunter-Lab	74.8502, -26.6785, -20.8738

Details

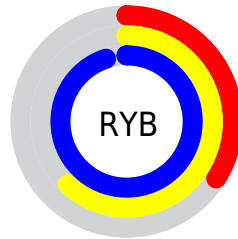
The Yxy color **56.0255, 0.2275, 0.2914** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **32.0128, 0.4984, 0.3581**, and the grayscale version is **44.7209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **27.9989, 0.2112, 0.2804** is the 20% darker color. If you saturate the color by 10%, you get **52.8117, 0.2195, 0.2846**, and if you desaturate by 10%, it is **59.6967, 0.2374, 0.2981**.

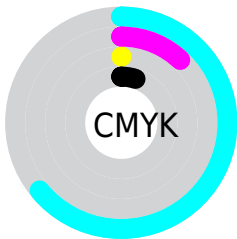
Distribution



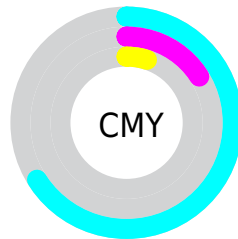
- Red (34%)
- Green (84%)
- Blue (95%)



- Red (34%)
- Yellow (62%)
- Blue (95%)



- Cyan (64%)
- Magenta (12%)
- Yellow (0%)
- Black (5%)





- Cyan (66%)
- Magenta (16%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0255, 0.2275, 0.2914 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 56.0255, 0.2275, 0.2914 by changing the saturation by 10% instead.


 56.0255, 0.2275,
0.2914

 56.0255, 0.2275,
0.2914


409.7876, 0.2672,
0.3106


 40.2234, 0.2185,
0.2866


 99.0419, 0.2413,
0.2984

 27.7127, 0.2074,
0.2804


 127.0249, 0.2466,
0.3011

 18.1092, 0.1934,
0.2723


 159.8370, 0.2513,
0.3033

 11.0284, 0.1755,
0.2612

 197.8626, 0.2553,
0.3052

 6.0860, 0.1519,
0.2452

241.4860, 0.2588,
0.3068

 2.8974, 0.1199,
0.2209

291.0918, 0.2619,

 1.0784, 0.0638,

0.3083

0.1837

347.0641, 0.2647,
0.3095

0.0000, 0.0000,
0.0000

56.0255, 0.2275,
0.2914

56.0255, 0.2275,
0.2914

52.8117, 0.2195,
0.2846

59.6967, 0.2374,
0.2981

50.0078, 0.2134,
0.2777

63.8549, 0.2490,
0.3046


47.5656, 0.2093,
0.2710

68.5338, 0.2620,
0.3108


46.2502, 0.2075,
0.2670


73.7622, 0.2761,
0.3167

79.5667, 0.2910,
0.3221

 85.9720, 0.3064,
0.3271

 92.7617, 0.3211,
0.3316

 95.5240, 0.3207,
0.3360

 98.3535, 0.3204,
0.3403

Harmonies

Analogous

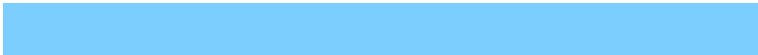
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.0255, 0.2439, 0.3347



56.0255, 0.2275, 0.2914



56.0255, 0.2316, 0.2631

Triad

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



56.0255, 0.2275, 0.2914



56.0255, 0.3436, 0.2844



56.0255, 0.3686, 0.4118

Complementary

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



56.0255, 0.2275, 0.2914



32.0128, 0.4984, 0.3581

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.



56.0255, 0.3994, 0.3899



56.0255, 0.2275, 0.2914



56.0255, 0.3854, 0.3177

Square

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



56.0255, 0.2275, 0.2914



56.0255, 0.2956, 0.2615



56.0255, 0.4062, 0.3553



56.0255, 0.3242, 0.4100

Rectangle

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



56.0255, 0.2275, 0.2914



56.0255, 0.2455, 0.2546



56.0255, 0.4062, 0.3553



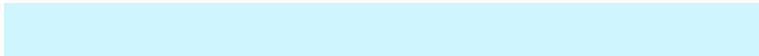
56.0255, 0.3810, 0.4067

Sweetspot

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



56.0276, 0.2275, 0.2914



86.3036, 0.2836, 0.3195



66.7585, 0.2922, 0.5031



18.0768, 0.2793, 0.3179



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.



56.0276, 0.2275, 0.2914



58.4564, 0.2174, 0.2824



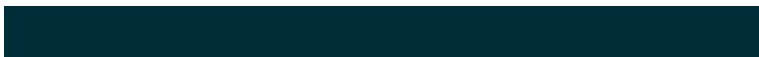
26.0352, 0.2020, 0.1830



17.3978, 0.2981, 0.3245



25.0392, 0.2078, 0.2681



2.2113, 0.2103, 0.2770

Inverse Universe

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



30.4747, 0.3501, 0.2051



29.4316, 0.3597, 0.1908



57.6397, 0.4343, 0.4363



15.9778, 0.3166, 0.3100



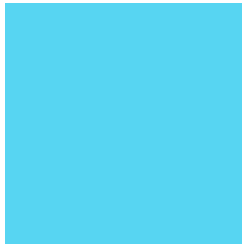
12.3211, 0.3746, 0.1837



1.0379, 0.3662, 0.1791

Previews

White Background



This preview shows how the Yxy color 56.0255, 0.2275, 0.2914 looks on a white background.

Color Contrast Check

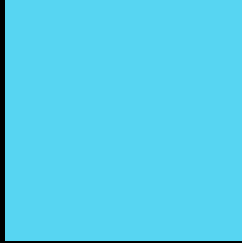
Large Text (above 18pt) WCAG AA × Fail

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 56.0255, 0.2275, 0.2914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

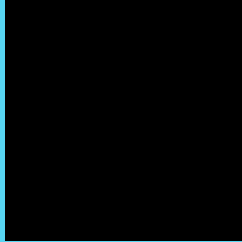
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.0255, 0.2275, 0.2914

Background



This preview shows how black text looks on a background with the Yxy color 56.0255, 0.2275, 0.2914.



This preview shows how white text looks on a background with the Yxy color 56.0255, 0.2275, 0.2914.

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

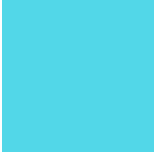
56.0255, 0.2275, 0.2914

Protanopia

55.0595, 0.2844, 0.2877

Deuteranopia

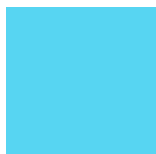
55.2335, 0.2728, 0.2661



Tritanopia

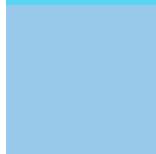
56.2209, 0.2307, 0.3063

Trichromacy



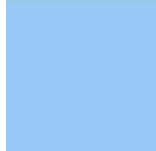
Original Color

56.0255, 0.2275, 0.2914



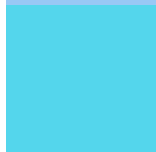
Protanomaly

54.3892, 0.2578, 0.2880



Deuteranomaly

54.5765, 0.2518, 0.2743



Tritanomaly

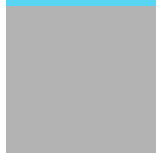
56.0341, 0.2294, 0.3000

Monochromacy



Original Color

56.0255, 0.2275, 0.2914



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

47.5456, 0.2706, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0255, 0.2275, 0.2914 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(87, 213, 242)` looks like.

```
.text, #text, p{  
    color:rgb(87, 213, 242)  
}
```

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(87, 213, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 213, 242) }
```

Border

The CSS property to change the border of an element to Yxy 56.0255, 0.2275, 0.2914 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(87, 213, 242) }
```

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

```
.border{ border-color:rgb(87, 213, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 213, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 213, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 213, 242);  
box-shadow:4px 4px 4px 4px rgb(87, 213,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0255, 0.2275, 0.2914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 213, 242) }
```

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

```
.background{ background-color: rgb(87, 213,  
242) }
```

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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