

Converting Colors

$Y_{xy}(56.7293, 0.2257, 0.3017)$

Have a look what the booklet for
Yxy(56.7293, 0.2257, 0.3017)
contains.

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Color

Yxy(56.4914, 0.2255, 0.3012)

Conversions

Conversions Part 1

Format	Color
Hex	45D8ED
RGB	69, 216, 237
RGB Percent	27%, 85%, 93%
CMY	0.7293, 0.1529, 0.0707
CMYK	0.71, 0.09, 0.00, 0.07
HSL	187°, 82%, 60%
HSV	187°, 71%, 93%
XYZ	42.2935, 56.4914, 88.7695
YIQ	174.4410, -94.3530, -24.6330

Conversions

Conversions Part 2

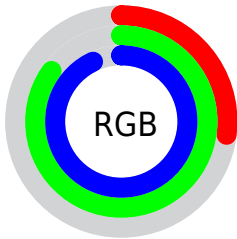
Format	Color
RYB	69, 147, 237
Decimal	4577517
CIELab	79.89, -31.61, -21.51
CIELCh	80, 38.230, 214.231
Yxy	56.4914, 0.2255, 0.3012
Android (android.graphics.Color)	4282767597 (0xFF45D8ED)
YUV	174.4410, 30.8416, -92.4718
Hunter-Lab	75.1608, -31.0880, -17.4126

Details

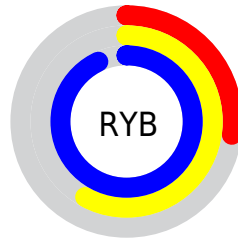
The Yxy color **56.4914, 0.2255, 0.3012** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.7411, 0.5365, 0.3483**, and the grayscale version is **42.4459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **28.8259, 0.2150, 0.2939** is the 20% darker color. If you saturate the color by 10%, you get **54.2904, 0.2197, 0.2968**, and if you desaturate by 10%, it is **59.0696, 0.2333, 0.3056**.

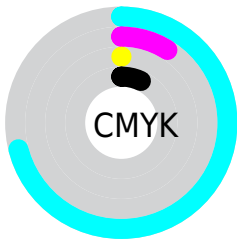
Distribution



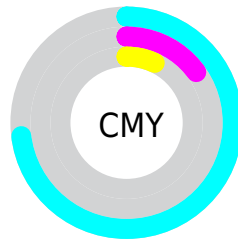
- Red (27%)
- Green (85%)
- Blue (93%)



- Red (27%)
- Yellow (58%)
- Blue (93%)



- Cyan (71%)
- Magenta (9%)
- Yellow (0%)
- Black (7%)



- Cyan (73%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4914, 0.2255, 0.3012 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 56.4914, 0.2255, 0.3012 by changing the saturation by 10% instead.

 56.4914, 0.2255,
0.3012


 56.4914, 0.2255,
0.3012


411.5408, 0.2661,
0.3159

 40.5970, 0.2163,
0.2974


 99.7227, 0.2396,
0.3067


 28.0044, 0.2049,
0.2924


 127.8284, 0.2451,
0.3087

 18.3289, 0.1907,
0.2858


 160.7734, 0.2498,
0.3104

 11.1864, 0.1724,
0.2766

 198.9420, 0.2539,
0.3118

 6.1924, 0.1482,
0.2629

242.7187, 0.2575,
0.3131

 2.9624, 0.1156,
0.2414

292.4877, 0.2607,

 1.1121, 0.0506,

0.3141

0.2090

348.6336, 0.2636,
0.3151

■ 0.0000, 0.0000,
0.0000

■ 56.4914, 0.2255,
0.3012

■ 56.4914, 0.2255,
0.3012

■ 54.2904, 0.2197,
0.2968

■ 59.0696, 0.2333,
0.3056

■ 52.4164, 0.2157,
0.2924


■ 62.0557, 0.2430,
0.3100


■ 50.9263, 0.2135,
0.2884


■ 65.4840, 0.2543,
0.3142

■ 69.3834, 0.2671,
0.3182

■ 73.7802, 0.2811,
0.3220

 78.6985, 0.2960,
0.3255

 84.1611, 0.3114,
0.3287

 89.4979, 0.3246,
0.3317

 91.2506, 0.3243,
0.3345

Harmonies

Analogous

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



56.4914, 0.2489, 0.3501



56.4914, 0.2255, 0.3012



56.4914, 0.2234, 0.2659

Triad

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



56.4914, 0.2255, 0.3012



56.4914, 0.3302, 0.2733



56.4914, 0.3836, 0.4120

Complementary

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



56.4914, 0.2255, 0.3012



25.7411, 0.5365, 0.3483

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.



56.4914, 0.4098, 0.3831



56.4914, 0.2255, 0.3012



56.4914, 0.3784, 0.3056

Square

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



56.4914, 0.2255, 0.3012



56.4914, 0.2804, 0.2534



56.4914, 0.4085, 0.3445



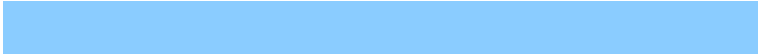
56.4914, 0.3394, 0.4191

Rectangle

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



56.4914, 0.2255, 0.3012



56.4914, 0.2339, 0.2531



56.4914, 0.4085, 0.3445



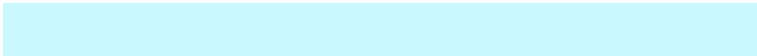
56.4914, 0.3950, 0.4042

Sweetspot

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



56.4935, 0.2255, 0.3012



87.0290, 0.2808, 0.3219



62.5310, 0.2959, 0.5360



18.3075, 0.2769, 0.3209



0.0000, 0.0000, 0.0000



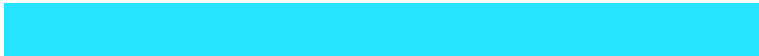
21.4041, 0.3127, 0.3290

Same Dimension

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



56.4935, 0.2255, 0.3012



63.0929, 0.2177, 0.2948



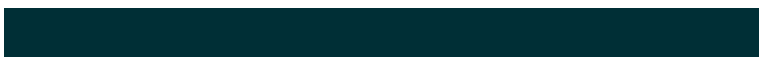
24.2665, 0.1956, 0.1813



16.7823, 0.2981, 0.3260



27.9459, 0.2137, 0.2892



2.2844, 0.2153, 0.2952

Inverse Universe

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



27.2177, 0.3427, 0.1887



28.2606, 0.3495, 0.1766



48.1606, 0.4571, 0.4328



15.2795, 0.3157, 0.3086



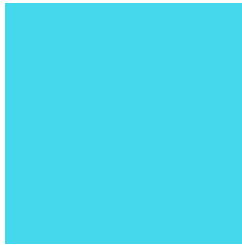
12.3140, 0.3551, 0.1730



0.9760, 0.3497, 0.1700

Previews

White Background



This preview shows how the Yxy color 56.4914, 0.2255, 0.3012 looks on a white background.

Color Contrast Check

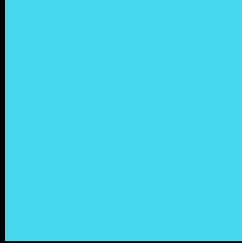
Large Text (above 18pt) WCAG AA × Fail

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 56.4914, 0.2255, 0.3012 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 56.4914, 0.2255, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 56.4914, 0.2255, 0.3012.



This preview shows how white text looks on a background with the Yxy color 56.4914, 0.2255, 0.3012.

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

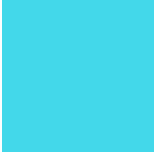
56.4914, 0.2255, 0.3012

Protanopia

55.5644, 0.2906, 0.2959

Deuteranopia

55.3165, 0.2780, 0.2717



Tritanopia

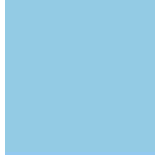
56.2455, 0.2262, 0.3049

Trichromacy



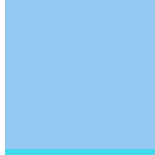
Original Color

56.4914, 0.2255, 0.3012



Protanomaly

54.5164, 0.2585, 0.2974



Deuteranomaly

54.2676, 0.2517, 0.2808



Tritanomaly

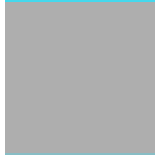
56.3388, 0.2260, 0.3037

Monochromacy



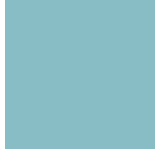
Original Color

56.4914, 0.2255, 0.3012



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

45.6606, 0.2674, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4914, 0.2255, 0.3012 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(69, 216, 237)` looks like.

```
.text, #text, p{  
    color:rgb(69, 216, 237)  
}
```

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(69, 216, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 216, 237) }
```

Border

The CSS property to change the border of an element to Yxy 56.4914, 0.2255, 0.3012 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(69, 216, 237) }
```

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

```
.border{ border-color:rgb(69, 216, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 216, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 216, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 216, 237);  
box-shadow:4px 4px 4px 4px rgb(69, 216,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4914, 0.2255, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 216, 237) }
```

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

```
.background{ background-color: rgb(69, 216,  
237) }
```

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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