

Converting Colors

$Y_{xy}(56.6294, 0.2426, 0.2994)$

Have a look what the booklet for
Yxy(56.6294, 0.2426, 0.2994)
contains.

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Color

Yxy(56.4510, 0.2427, 0.2994)

Conversions

Conversions Part 1

Format	Color
Hex	77D3EA
RGB	119, 211, 234
RGB Percent	47%, 83%, 92%
CMY	0.5331, 0.1726, 0.0823
CMYK	0.49, 0.10, 0.00, 0.08
HSL	192°, 73%, 69%
HSV	192°, 49%, 92%
XYZ	45.7604, 56.4510, 86.3357
YIQ	186.1140, -62.2150, -12.3510

Conversions

Conversions Part 2

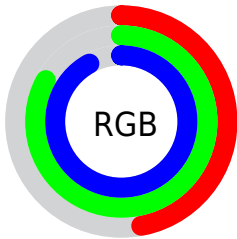
Format	Color
R _Y B	119, 170, 234
Decimal	7853034
CIE Lab	79.87, -21.35, -19.82
CIE LCh	80, 29.134, 222.872
Yxy	56.4510, 0.2427, 0.2994
Android (android.graphics.Color)	4286043114 (0xFF77D3EA)
YUV	186.1140, 23.6078, -58.8590
Hunter-Lab	75.1339, -22.7687, -15.5359

Details

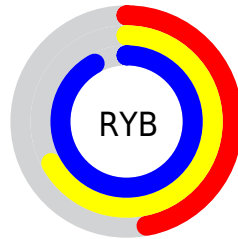
The Yxy color **56.4510, 0.2427, 0.2994** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.1981, 0.4367, 0.3553**, and the grayscale version is **49.0704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **27.8908, 0.2259, 0.2908** is the 20% darker color. If you saturate the color by 10%, you get **52.7007, 0.2318, 0.2923**, and if you desaturate by 10%, it is **60.6811, 0.2552, 0.3062**.

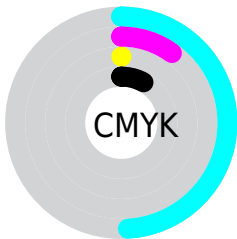
Distribution



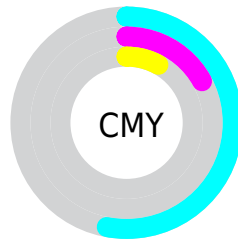
- Red (47%)
- Green (83%)
- Blue (92%)



- Red (47%)
- Yellow (67%)
- Blue (92%)



- Cyan (49%)
- Magenta (10%)
- Yellow (0%)
- Black (8%)





- Cyan (53%)
- Magenta (17%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4510, 0.2427, 0.2994 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 56.4510, 0.2427, 0.2994 by changing the saturation by 10% instead.


 56.4510, 0.2427,
0.2994

 56.4510, 0.2427,
0.2994


411.3889, 0.2756,
0.3145

 40.5646, 0.2351,
0.2956


 99.6637, 0.2542,
0.3049

 27.9791, 0.2257,
0.2908


 127.7588, 0.2586,
0.3069

 18.3099, 0.2138,
0.2844


 160.6923, 0.2625,
0.3087

 11.1727, 0.1983,
0.2756

198.8485, 0.2658,
0.3102

 6.1831, 0.1773,
0.2628

242.6119, 0.2687,
0.3115

 2.9567, 0.1479,
0.2430

292.3668, 0.2713,

 1.1092, 0.0982,

0.3126

0.2106

348.4977, 0.2736,
0.3136

■ 0.0000, 0.0000,
0.0000

■ 56.4510, 0.2427,
0.2994

■ 56.4510, 0.2427,
0.2994

■ 52.7007, 0.2318,
0.2923

■ 60.6811, 0.2552,
0.3062

■ 49.3927, 0.2226,
0.2850

■ 65.4126, 0.2689,
0.3127

■ 46.4939, 0.2153,
0.2776

■ 70.6730, 0.2835,
0.3188

■ 43.9627, 0.2101,
0.2703

■ 76.4860, 0.2986,
0.3244

■ 41.7346, 0.2065,
0.2630


■ 82.8738, 0.3141,
0.3294

 41.5464, 0.2062,
0.2624

 88.9996, 0.3265,
0.3340

 91.7809, 0.3260,
0.3386

 94.6340, 0.3256,
0.3431

 97.5593, 0.3252,
0.3476

Harmonies

Analogous

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



56.4510, 0.2568, 0.3345



56.4510, 0.2427, 0.2994



56.4510, 0.2459, 0.2755

Triad

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



56.4510, 0.2427, 0.2994



56.4510, 0.3376, 0.2921



56.4510, 0.3590, 0.3961

Complementary

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



56.4510, 0.2427, 0.2994



38.1981, 0.4367, 0.3553

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.



56.4510, 0.3834, 0.3792



56.4510, 0.2427, 0.2994



56.4510, 0.3712, 0.3199

Square

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



56.4510, 0.2427, 0.2994



56.4510, 0.2988, 0.2731



56.4510, 0.3882, 0.3512



56.4510, 0.3230, 0.3938

Rectangle

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



56.4510, 0.2427, 0.2994



56.4510, 0.2574, 0.2680



56.4510, 0.3882, 0.3512



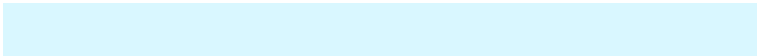
56.4510, 0.3689, 0.3922

Sweetspot

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



56.4531, 0.2427, 0.2994



88.6633, 0.2896, 0.3211



64.7343, 0.2941, 0.4541



18.6636, 0.2864, 0.3199



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.



56.4531, 0.2427, 0.2994



63.9773, 0.2316, 0.2922



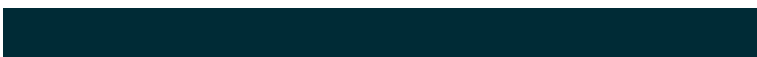
32.8293, 0.2276, 0.2201



16.5796, 0.2981, 0.3242



23.5262, 0.2065, 0.2635



1.9773, 0.2093, 0.2736

Inverse Universe

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



35.4057, 0.3409, 0.2308



36.7010, 0.3486, 0.2139



59.9184, 0.4023, 0.4169



15.2591, 0.3168, 0.3104



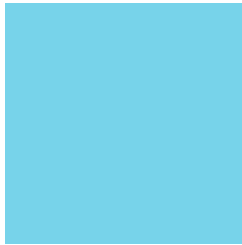
11.8678, 0.3790, 0.1862



0.9450, 0.3694, 0.1809

Previews

White Background



This preview shows how the Yxy color 56.4510, 0.2427, 0.2994 looks on a white background.

Color Contrast Check

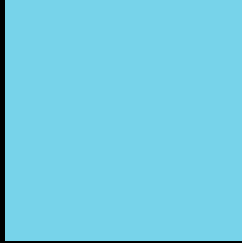
Large Text (above 18pt) WCAG AA × Fail

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 56.4510, 0.2427, 0.2994 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 56.4510, 0.2427, 0.2994

Background



This preview shows how black text looks on a background with the Yxy color 56.4510, 0.2427, 0.2994.

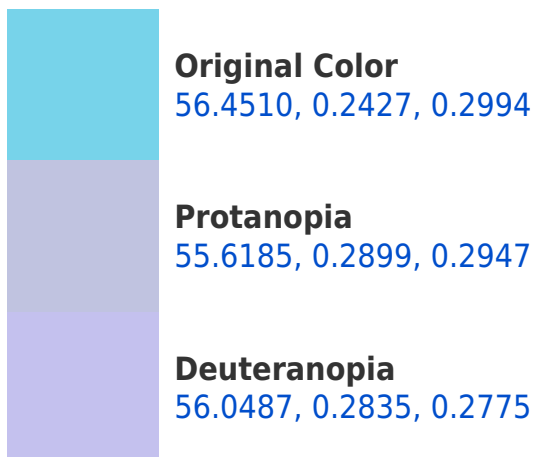


This preview shows how white text looks on a background with the Yxy color 56.4510, 0.2427, 0.2994.

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





Tritanopia

56.5260, 0.2444, 0.3068

Trichromacy



Original Color

56.4510, 0.2427, 0.2994

Protanomaly

55.3741, 0.2693, 0.2958

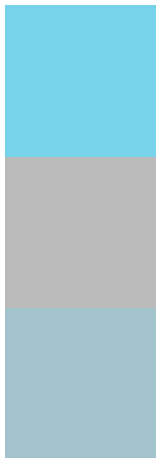
Deuteranomaly

55.7478, 0.2658, 0.2845

Tritanomaly

56.7080, 0.2439, 0.3044

Monochromacy



Original Color

56.4510, 0.2427, 0.2994

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

51.0234, 0.2821, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4510, 0.2427, 0.2994 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(119, 211, 234)` looks like.

```
.text, #text, p{  
    color:rgb(119, 211, 234)  
}
```

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(119, 211, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 211, 234) }
```

Border

The CSS property to change the border of an element to Yxy 56.4510, 0.2427, 0.2994 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(119, 211, 234) }
```

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

```
.border{ border-color:rgb(119, 211, 234) }
```

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

Here you see how a box with a 4 pixel rgb(119, 211, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 211, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 211, 234);  
box-shadow:4px 4px 4px 4px rgb(119, 211,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4510, 0.2427, 0.2994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 211, 234) }
```

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

```
.background{ background-color: rgb(119,  
211, 234) }
```

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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