

Converting Colors

$Yxy(56.3666, 0.2313, 0.2940)$

Have a look what the booklet for
Yxy(56.3666, 0.2313, 0.2940)
contains.

Yxy(56.3666, 0.2313, 0.2940)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.3666, 0.2313, 0.2940)

Conversions

Conversions Part 1

Format	Color
Hex	60D5F0
RGB	96, 213, 240
RGB Percent	38%, 84%, 94%
CMY	0.6238, 0.1647, 0.0587
CMYK	0.60, 0.11, 0.00, 0.06
HSL	191°, 83%, 66%
HSV	191°, 60%, 94%
XYZ	44.3456, 56.3666, 91.0110
YIQ	181.0950, -78.3990, -16.4070

Conversions

Conversions Part 2

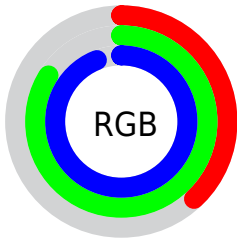
Format	Color
R _Y B	96, 161, 240
Decimal	6346224
CIE Lab	79.82, -25.23, -23.19
CIE LCh	80, 34.264, 222.588
Yxy	56.3666, 0.2313, 0.2940
Android (android.graphics.Color)	4284536304 (0xFF60D5F0)
YUV	181.0950, 29.0402, -74.6283
Hunter-Lab	75.0777, -25.9527, -19.3184

Details

The Yxy color **56.3666, 0.2313, 0.2940** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **33.5349, 0.4811, 0.3574**, and the grayscale version is **46.1279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **27.9144, 0.2121, 0.2836** is the 20% darker color. If you saturate the color by 10%, you get **53.0262, 0.2225, 0.2872**, and if you desaturate by 10%, it is **60.1713, 0.2419, 0.3007**.

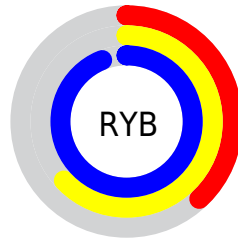
Distribution



Red (38%)

Green (84%)

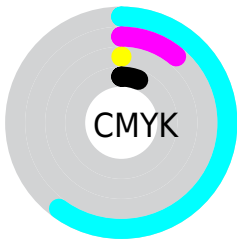
Blue (94%)



Red (38%)

Yellow (63%)

Blue (94%)

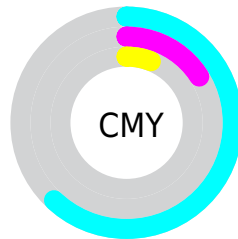


Cyan (60%)

Magenta (11%)

Yellow (0%)

Black (6%)



Cyan (62%)


Magenta (16%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3666, 0.2313, 0.2940 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 56.3666, 0.2313, 0.2940 by changing the saturation by 10% instead.


 56.3666, 0.2313,
0.2940

 56.3666, 0.2313,
0.2940

411.0716, 0.2693,
0.3119


 40.4969, 0.2226,
0.2895


 99.5404, 0.2445,
0.3005

 27.9262, 0.2120,
0.2838


 127.6133, 0.2496,
0.3030

 18.2700, 0.1985,
0.2762

 160.5227, 0.2541,
0.3050

 11.1440, 0.1812,
0.2658

 198.6531, 0.2579,
0.3068

 6.1638, 0.1582,
0.2508

242.3887, 0.2613,
0.3083

 2.9449, 0.1268,
0.2278

292.1141, 0.2643,

 1.1031, 0.0727,

0.3097

0.1920

348.2136, 0.2669,
0.3109

■ 0.0000, 0.0000,
0.0000

■ 56.3666, 0.2313,
0.2940

■ 56.3666, 0.2313,
0.2940

■ 53.0262, 0.2225,
0.2872

■ 60.1713, 0.2419,
0.3007

■ 50.1059, 0.2156,
0.2803

■ 64.4674, 0.2542,
0.3071

■ 47.5626, 0.2107,
0.2735

■ 69.2868, 0.2676,
0.3132

■ 45.3273, 0.2074,
0.2667

■ 74.6568, 0.2821,
0.3189

■ 80.6026, 0.2972,
0.3242

87.1477, 0.3127,
0.3290

92.5738, 0.3223,
0.3334

95.3250, 0.3219,
0.3377

98.1428, 0.3215,
0.3420

Harmonies

Analogous

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



56.3666, 0.2475, 0.3355



56.3666, 0.2313, 0.2940



56.3666, 0.2349, 0.2665

Triad

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



56.3666, 0.2313, 0.2940



56.3666, 0.3414, 0.2858



56.3666, 0.3669, 0.4078

Complementary

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



56.3666, 0.2313, 0.2940



33.5349, 0.4811, 0.3574

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.



56.3666, 0.3958, 0.3869



56.3666, 0.2313, 0.2940



56.3666, 0.3813, 0.3176

Square

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



56.3666, 0.2313, 0.2940



56.3666, 0.2956, 0.2640



56.3666, 0.4016, 0.3537



56.3666, 0.3247, 0.4062

Rectangle

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



56.3666, 0.2313, 0.2940



56.3666, 0.2479, 0.2580



56.3666, 0.4016, 0.3537



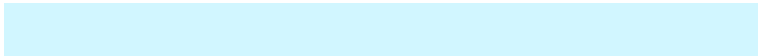
56.3666, 0.3786, 0.4028

Sweetspot

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



56.3687, 0.2313, 0.2940



86.9383, 0.2851, 0.3200



66.2414, 0.2928, 0.4907



18.2010, 0.2807, 0.3184



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.



56.3687, 0.2313, 0.2940



60.0534, 0.2208, 0.2857



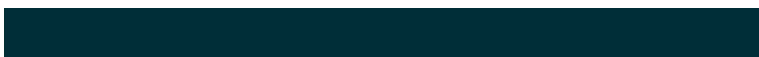
27.9957, 0.2088, 0.1938



17.3953, 0.2981, 0.3245



24.9881, 0.2077, 0.2678



2.2075, 0.2102, 0.2768

Inverse Universe

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



31.6913, 0.3472, 0.2111



31.0143, 0.3562, 0.1955



58.1412, 0.4260, 0.4312



15.9776, 0.3167, 0.3100



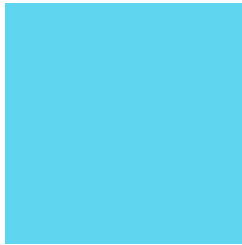
12.3159, 0.3749, 0.1839



1.0376, 0.3665, 0.1792

Previews

White Background



This preview shows how the Yxy color 56.3666, 0.2313, 0.2940 looks on a white background.

Color Contrast Check

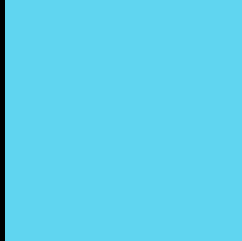
Large Text (above 18pt) WCAG AA × Fail

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 56.3666, 0.2313, 0.2940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

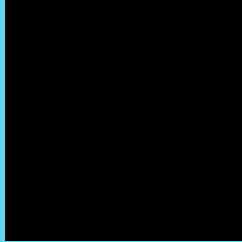
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.3666, 0.2313, 0.2940

Background



This preview shows how black text looks on a background with the Yxy color 56.3666, 0.2313, 0.2940.

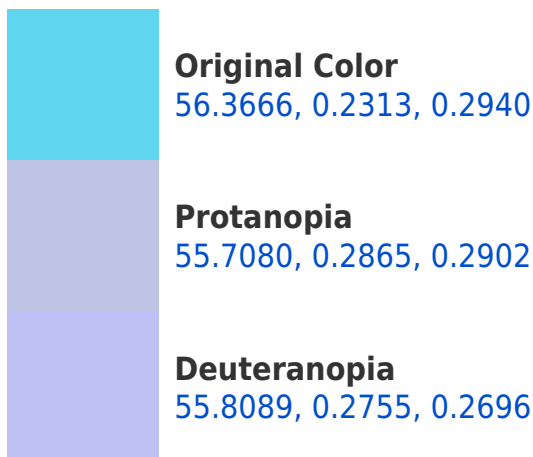


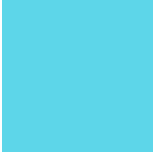
This preview shows how white text looks on a background with the Yxy color 56.3666, 0.2313, 0.2940.

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

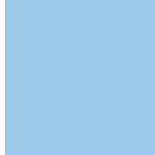
56.1946, 0.2337, 0.3052

Trichromacy



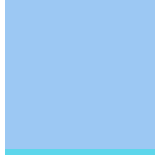
Original Color

56.3666, 0.2313, 0.2940



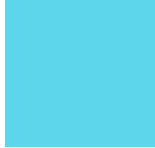
Protanomaly

55.1352, 0.2615, 0.2919



Deuteranomaly

54.8475, 0.2551, 0.2769



Tritanomaly

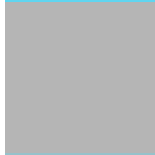
56.4184, 0.2327, 0.3014

Monochromacy



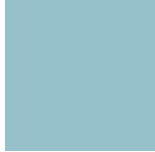
Original Color

56.3666, 0.2313, 0.2940



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

48.8882, 0.2742, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3666, 0.2313, 0.2940 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(96, 213, 240)` looks like.

```
.text, #text, p{  
    color:rgb(96, 213, 240)  
}
```

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(96, 213, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 213, 240) }
```

Border

The CSS property to change the border of an element to Yxy 56.3666, 0.2313, 0.2940 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(96, 213, 240) }
```

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

```
.border{ border-color:rgb(96, 213, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 213, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 213, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 213, 240);  
box-shadow:4px 4px 4px 4px rgb(96, 213,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3666, 0.2313, 0.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 213, 240) }
```

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

```
.background{ background-color: rgb(96, 213,  
240) }
```

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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