

Converting Colors

$Y_{xy}(53.6343, 0.2325, 0.2938)$

Have a look what the booklet for
Yxy(53.6343, 0.2325, 0.2938)
contains.

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Color

Yxy(53.6513, 0.2323, 0.2934)

Conversions

Conversions Part 1

Format	Color
Hex	61D0EB
RGB	97, 208, 235
RGB Percent	38%, 82%, 92%
CMY	0.6198, 0.1843, 0.0783
CMYK	0.59, 0.11, 0.00, 0.08
HSL	192°, 78%, 65%
HSV	192°, 59%, 92%
XYZ	42.4785, 53.6513, 86.7308
YIQ	177.8890, -74.8230, -15.1350

Conversions

Conversions Part 2

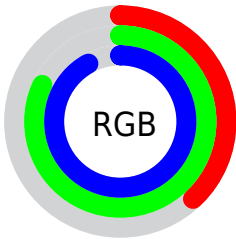
Format	Color
RYB	97, 159, 235
Decimal	6410475
CIELab	78.26, -24.01, -22.88
CIELCh	78, 33.164, 223.628
Yxy	53.6513, 0.2323, 0.2934
Android (android.graphics.Color)	4284600555 (0xFF61D0EB)
YUV	177.8890, 28.1557, -70.9397
Hunter-Lab	73.2470, -24.6640, -18.9315

Details

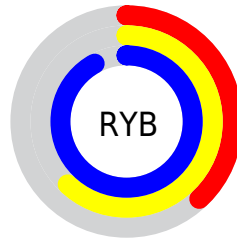
The Yxy color **53.6513, 0.2323, 0.2934** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **32.9331, 0.4747, 0.3583**, and the grayscale version is **44.3312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **26.1017, 0.2127, 0.2825** is the 20% darker color. If you saturate the color by 10%, you get **50.3388, 0.2231, 0.2863**, and if you desaturate by 10%, it is **57.4150, 0.2433, 0.3003**.

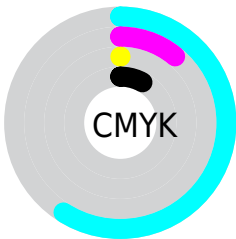
Distribution



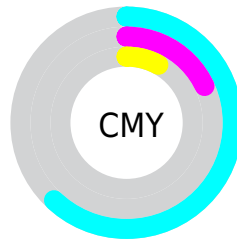
- Red (38%)
- Green (82%)
- Blue (92%)



- Red (38%)
- Yellow (62%)
- Blue (92%)



- Cyan (59%)
- Magenta (11%)
- Yellow (0%)
- Black (8%)





- Cyan (62%)
- Magenta (18%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.6513, 0.2323, 0.2934 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 53.6513, 0.2323, 0.2934 by changing the saturation by 10% instead.

 53.6513, 0.2323,
0.2934


 53.6513, 0.2323,
0.2934


400.7789, 0.2702,
0.3117


 38.3230, 0.2236,
0.2888


 95.5621, 0.2455,
0.3001


 26.2334, 0.2128,
0.2828


 122.9133, 0.2507,
0.3026

 16.9984, 0.1991,
0.2750

 155.0409, 0.2551,
0.3047

 10.2333, 0.1814,
0.2641

 192.3293, 0.2589,
0.3065

 5.5539, 0.1577,
0.2484

235.1629, 0.2622,
0.3081

 2.5758, 0.1250,
0.2239

283.9261, 0.2652,

 0.9145, 0.0579,

0.3094

0.1872

339.0033, 0.2678,
0.3106

0.0000, 0.0000,
0.0000

53.6513, 0.2323,
0.2934

53.6513, 0.2323,
0.2934

50.3388, 0.2231,
0.2863

57.4150, 0.2433,
0.3003

47.4361, 0.2159,
0.2791

61.6552, 0.2557,
0.3070

44.9034, 0.2106,
0.2719

66.4018, 0.2694,
0.3133

42.6787, 0.2071,
0.2649

71.6806, 0.2840,
0.3192

42.4122, 0.2067,
0.2640

77.5154, 0.2992,
0.3247

83.9285, 0.3147,
0.3296

89.6949, 0.3258,
0.3341

92.4396, 0.3253,
0.3386

95.2535, 0.3249,
0.3430

Harmonies

Analogous

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



53.6513, 0.2476, 0.3339



53.6513, 0.2323, 0.2934



53.6513, 0.2365, 0.2668

Triad

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



53.6513, 0.2323, 0.2934



53.6513, 0.3425, 0.2874



53.6513, 0.3648, 0.4069

Complementary

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



53.6513, 0.2323, 0.2934



32.9331, 0.4747, 0.3583

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.



53.6513, 0.3938, 0.3870



53.6513, 0.2323, 0.2934



53.6513, 0.3813, 0.3191

Square

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



53.6513, 0.2323, 0.2934



53.6513, 0.2974, 0.2655



53.6513, 0.4004, 0.3546



53.6513, 0.3230, 0.4044

Rectangle

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



53.6513, 0.2323, 0.2934



53.6513, 0.2498, 0.2588



53.6513, 0.4004, 0.3546



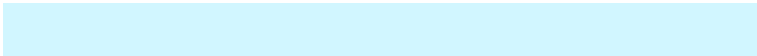
53.6513, 0.3765, 0.4023

Sweetspot

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



53.6533, 0.2323, 0.2934



86.7134, 0.2850, 0.3196



63.3798, 0.2930, 0.4865



18.1455, 0.2807, 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.



53.6533, 0.2323, 0.2934



59.6387, 0.2211, 0.2844



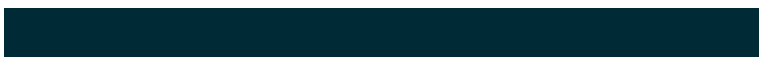
27.4899, 0.2111, 0.1974



16.5919, 0.2981, 0.3243



23.7813, 0.2070, 0.2651



1.9952, 0.2097, 0.2749

Inverse Universe

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



30.7594, 0.3475, 0.2141



31.2958, 0.3572, 0.1977



55.9198, 0.4233, 0.4294



15.2603, 0.3168, 0.3103



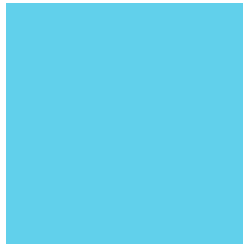
11.8935, 0.3775, 0.1853



0.9468, 0.3682, 0.1802

Previews

White Background



This preview shows how the Yxy color 53.6513, 0.2323, 0.2934 looks on a white background.

Color Contrast Check

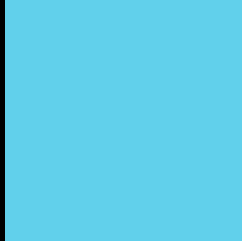
Large Text (above 18pt) WCAG AA × Fail

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 53.6513, 0.2323, 0.2934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

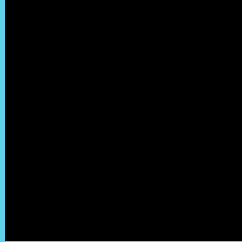
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.6513, 0.2323, 0.2934

Background



This preview shows how black text looks on a background with the Yxy color 53.6513, 0.2323, 0.2934.



This preview shows how white text looks on a background with the Yxy color 53.6513, 0.2323, 0.2934.

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

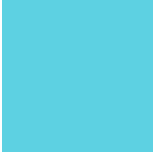
53.6513, 0.2323, 0.2934

Protanopia

53.0284, 0.2860, 0.2905

Deuteranopia

52.7632, 0.2761, 0.2695



Tritanopia

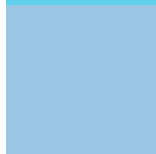
53.4191, 0.2351, 0.3060

Trichromacy



Original Color

53.6513, 0.2323, 0.2934



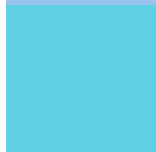
Protanomaly

52.3486, 0.2623, 0.2912



Deuteranomaly

52.0733, 0.2558, 0.2759



Tritanomaly

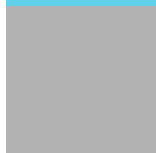
53.6378, 0.2342, 0.3022

Monochromacy



Original Color

53.6513, 0.2323, 0.2934



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

46.9083, 0.2750, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.6513, 0.2323, 0.2934 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(97, 208, 235)` looks like.

```
.text, #text, p{  
    color:rgb(97, 208, 235)  
}
```

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(97, 208, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 208, 235) }
```

Border

The CSS property to change the border of an element to Yxy 53.6513, 0.2323, 0.2934 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(97, 208, 235) }
```

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

```
.border{ border-color:rgb(97, 208, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 208, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 208, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 208, 235);  
box-shadow:4px 4px 4px 4px rgb(97, 208,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 53.6513, 0.2323, 0.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 208, 235) }
```

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

```
.background{ background-color: rgb(97, 208,  
235) }
```

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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