

Converting Colors

$Y_{xy}(55.1552, 0.2530, 0.2985)$

Have a look what the booklet for
Yxy(55.1552, 0.2530, 0.2985)
contains.

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Color

Yxy(55.2591, 0.2530, 0.2984)

Conversions

Conversions Part 1

Format	Color
Hex	8ACEE6
RGB	138, 206, 230
RGB Percent	54%, 81%, 90%
CMY	0.4584, 0.1922, 0.0980
CMYK	0.40, 0.10, 0.00, 0.10
HSL	196°, 65%, 72%
HSV	196°, 40%, 90%
XYZ	46.8517, 55.2591, 83.0738
YIQ	188.4040, -48.2320, -6.9520

Conversions

Conversions Part 2

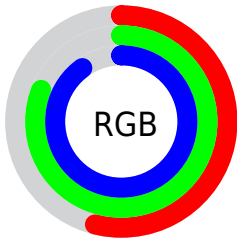
Format	Color
R_{YB}	138, 177, 230
Decimal	9096934
CIE _{Lab}	79.19, -15.33, -18.63
CIE _{LCh}	79, 24.129, 230.550
Yxy	55.2591, 0.2530, 0.2984
Android (android.graphics.Color)	4287287014 (0xFF8ACEE6)
YUV	188.4040, 20.5068, -44.2043
Hunter-Lab	74.3365, -17.5864, -14.2233

Details

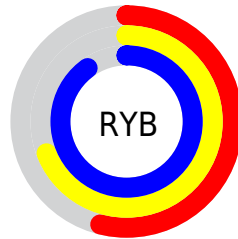
The Yxy color **55.2591, 0.2530, 0.2984** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.5612, 0.4021, 0.3571**, and the grayscale version is **50.4481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **27.3063, 0.2383, 0.2911** is the 20% darker color. If you saturate the color by 10%, you get **50.6591, 0.2399, 0.2893**, and if you desaturate by 10%, it is **60.3899, 0.2672, 0.3070**.

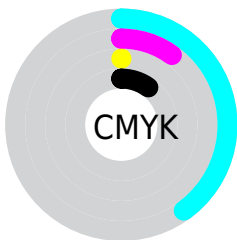
Distribution



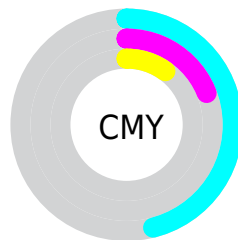
- Red (54%)
- Green (81%)
- Blue (90%)



- Red (54%)
- Yellow (69%)
- Blue (90%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)



- Cyan (46%)
- Magenta (19%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.2591, 0.2530, 0.2984 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 55.2591, 0.2530, 0.2984 by changing the saturation by 10% instead.

■ 55.2591, 0.2530,
0.2984

■ 55.2591, 0.2530,
0.2984

■ 406.8933, 0.2813,
0.3137

■ 39.6092, 0.2464,
0.2946

■ 97.9205, 0.2629,
0.3039

■ 27.2340, 0.2382,
0.2898

■ 125.7007, 0.2668,
0.3060

■ 17.7490, 0.2277,
0.2834

■ 158.2933, 0.2701,
0.3078

■ 10.7700, 0.2138,
0.2747

■ 196.0824, 0.2729,
0.3093

■ 5.9124, 0.1948,
0.2621

■ 239.4526, 0.2754,
0.3106

■ 2.7919, 0.1675,
0.2426

■ 288.7882, 0.2776,

■ 1.0241, 0.1217,

0.3118

0.2103

344.4737, 0.2796,
0.3128

0.0000, 0.0000,
0.0000

55.2591, 0.2530,
0.2984

55.2591, 0.2530,
0.2984

50.6591, 0.2399,
0.2893

60.3899, 0.2672,
0.3070

46.5558, 0.2283,
0.2798

66.0703, 0.2821,
0.3150

42.9205, 0.2184,
0.2700


72.3260, 0.2974,
0.3224

39.7184, 0.2104,
0.2601


79.1788, 0.3128,
0.3290


36.9081, 0.2044,
0.2503


86.6496, 0.3281,
0.3350

 34.4196, 0.2002,
0.2406

 90.5274, 0.3287,
0.3409

 34.4085, 0.2002,
0.2405

 94.1699, 0.3281,
0.3467

 97.9313, 0.3274,
0.3524

 98.4943, 0.3274,
0.3532

Harmonies

Analogous

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



55.2591, 0.2614, 0.3259



55.2591, 0.2530, 0.2984



55.2591, 0.2595, 0.2811

Triad

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



55.2591, 0.2530, 0.2984



55.2591, 0.3416, 0.3035



55.2591, 0.3446, 0.3859

Complementary

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



55.2591, 0.2530, 0.2984



44.5612, 0.4021, 0.3571

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.



55.2591, 0.3679, 0.3761



55.2591, 0.2530, 0.2984



55.2591, 0.3666, 0.3284

Square

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



55.2591, 0.2530, 0.2984



55.2591, 0.3094, 0.2850



55.2591, 0.3763, 0.3547



55.2591, 0.3134, 0.3791

Rectangle

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



55.2591, 0.2530, 0.2984



55.2591, 0.2716, 0.2767



55.2591, 0.3763, 0.3547



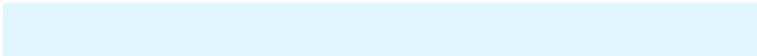
55.2591, 0.3536, 0.3844

Sweetspot

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



55.2612, 0.2530, 0.2984



89.6502, 0.2941, 0.3209



64.5950, 0.2944, 0.4203



18.9620, 0.2921, 0.3199



0.0000, 0.0000, 0.0000



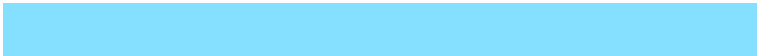
21.4041, 0.3127, 0.3290

Same Dimension

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



55.2612, 0.2530, 0.2984



64.9403, 0.2420, 0.2909



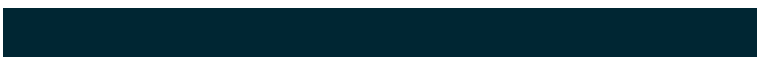
36.6503, 0.2435, 0.2377



15.6648, 0.2981, 0.3227



19.6851, 0.2006, 0.2421



1.6036, 0.2045, 0.2563

Inverse Universe

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



39.4927, 0.3399, 0.2538



43.2525, 0.3475, 0.2390



63.3123, 0.3817, 0.4057



14.5475, 0.3178, 0.3118



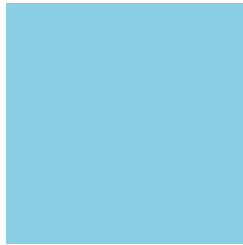
11.1849, 0.4002, 0.1978



0.8416, 0.3860, 0.1900

Previews

White Background



This preview shows how the Yxy color 55.2591, 0.2530, 0.2984 looks on a white background.

Color Contrast Check

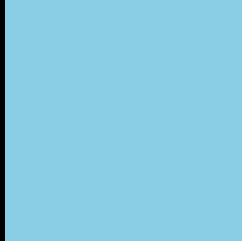
Large Text (above 18pt) WCAG AA × Fail

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 55.2591, 0.2530, 0.2984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

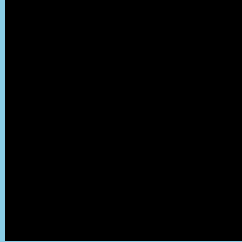
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.2591, 0.2530, 0.2984

Background



This preview shows how black text looks on a background with the Yxy color 55.2591, 0.2530, 0.2984.



This preview shows how white text looks on a background with the Yxy color 55.2591, 0.2530, 0.2984.

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

55.2591, 0.2530, 0.2984

Protanopia

54.9339, 0.2905, 0.2957

Deuteranopia

54.8806, 0.2867, 0.2804



Tritanopia

55.2417, 0.2552, 0.3070

Trichromacy



Original Color

55.2591, 0.2530, 0.2984

Protanomaly

54.5951, 0.2753, 0.2959

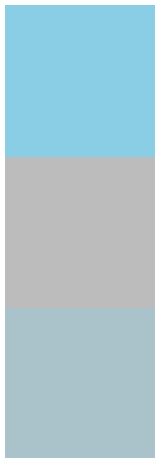
Deuteranomaly

54.4200, 0.2729, 0.2857

Tritanomaly

55.4350, 0.2547, 0.3046

Monochromacy



Original Color

55.2591, 0.2530, 0.2984

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.8881, 0.2879, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2591, 0.2530, 0.2984 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(138, 206, 230)` looks like.

```
.text, #text, p{  
    color:rgb(138, 206, 230)  
}
```

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(138, 206, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 206, 230) }
```

Border

The CSS property to change the border of an element to Yxy 55.2591, 0.2530, 0.2984 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(138, 206, 230) }
```

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

```
.border{ border-color:rgb(138, 206, 230) }
```

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

Here you see how a box with a 4 pixel rgb(138, 206, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 206, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 206, 230);  
box-shadow:4px 4px 4px 4px rgb(138, 206,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2591, 0.2530, 0.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 206, 230) }
```

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

```
.background{ background-color: rgb(138,  
206, 230) }
```

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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