

Converting Colors

$Yxy(54.7955, 0.2666, 0.3023)$

Have a look what the booklet for
Yxy(54.7955, 0.2666, 0.3023)
contains.

Yxy(54.6367, 0.2666, 0.3025)	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(54.6367, 0.2666, 0.3025)

Conversions

Conversions Part 1

Format	Color
Hex	9CCADF
RGB	156, 202, 223
RGB Percent	61%, 79%, 87%
CMY	0.3882, 0.2078, 0.1254
CMYK	0.30, 0.09, 0.00, 0.13
HSL	199°, 51%, 74%
HSV	199°, 30%, 87%
XYZ	48.1525, 54.6367, 77.8279
YIQ	190.6400, -34.1570, -3.2210

Conversions

Conversions Part 2

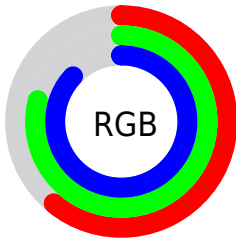
Format	Color
R _{YB}	156, 183, 223
Decimal	10275551
CIE Lab	78.83, -10.16, -15.32
CIE LCh	79, 18.384, 236.440
Yxy	54.6367, 0.2666, 0.3025
Android (android.graphics.Color)	4288465631 (0xFF9CCADF)
YUV	190.6400, 15.9535, -30.3793
Hunter-Lab	73.9166, -13.0714, -10.6857

Details

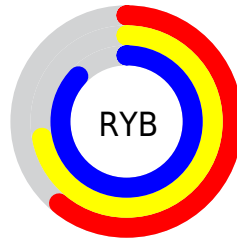
The Yxy color **54.6367, 0.2666, 0.3025** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.5441, 0.3727, 0.3539**, and the grayscale version is **51.8044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **26.8905, 0.2551, 0.2950** is the 20% darker color. If you saturate the color by 10%, you get **49.4063, 0.2520, 0.2921**, and if you desaturate by 10%, it is **60.4286, 0.2818, 0.3121**.

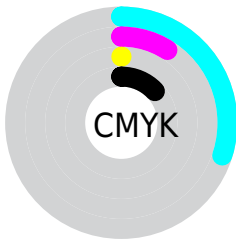
Distribution



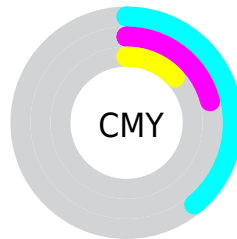
- Red (61%)
- Green (79%)
- Blue (87%)



- Red (61%)
- Yellow (72%)
- Blue (87%)



- Cyan (30%)
- Magenta (9%)
- Yellow (0%)
- Black (13%)



- Cyan (39%)
- Magenta (21%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.6367, 0.2666, 0.3025 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 54.6367, 0.2666, 0.3025 by changing the saturation by 10% instead.


 54.6367, 0.2666,
0.3025


 54.6367, 0.2666,
0.3025

404.5333, 0.2887,
0.3156

 39.1109, 0.2614,
0.2993


 97.0085, 0.2744,
0.3072

 26.8460, 0.2548,
0.2952

 124.6232, 0.2774,
0.3090

 17.4576, 0.2464,
0.2898


157.0365, 0.2800,
0.3106

 10.5613, 0.2352,
0.2824

194.6326, 0.2822,
0.3119

 5.7727, 0.2196,
0.2716

237.7959, 0.2841,
0.3130

 2.7073, 0.1963,
0.2549

286.9109, 0.2858,

 0.9809, 0.1571,

0.3140

0.2262

342.3619, 0.2873,
0.3149

0.0000, 0.0000,
0.0000

54.6367, 0.2666,
0.3025

54.6367, 0.2666,
0.3025

49.4063, 0.2520,
0.2921

60.4286, 0.2818,
0.3121

44.7066, 0.2383,
0.2810

66.7982, 0.2972,
0.3210

40.5133, 0.2260,
0.2695

73.7686, 0.3126,
0.3290

36.7969, 0.2153,
0.2576

81.3600, 0.3278,
0.3361

33.5243, 0.2066,
0.2455

87.1391, 0.3338,
0.3429

■ 30.6562, 0.1999,
0.2336

■ 91.2676, 0.3329,
0.3497

■ 28.1354, 0.1950,
0.2219

■ 95.5559, 0.3320,
0.3563

■ 98.1084, 0.3315,
0.3601

Harmonies

Analogous

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



54.6367, 0.2710, 0.3225



54.6367, 0.2666, 0.3025



54.6367, 0.2739, 0.2906

Triad

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



54.6367, 0.2666, 0.3025



54.6367, 0.3393, 0.3129



54.6367, 0.3330, 0.3722

Complementary

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



54.6367, 0.2666, 0.3025



49.5441, 0.3727, 0.3539

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.



54.6367, 0.3523, 0.3676



54.6367, 0.2666, 0.3025



54.6367, 0.3563, 0.3330

Square

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



54.6367, 0.2666, 0.3025



54.6367, 0.3153, 0.2971



54.6367, 0.3611, 0.3529



54.6367, 0.3087, 0.3642

Rectangle

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



54.6367, 0.2666, 0.3025



54.6367, 0.2847, 0.2884



54.6367, 0.3611, 0.3529



54.6367, 0.3403, 0.3720

Sweetspot

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



54.6389, 0.2666, 0.3025



91.3978, 0.2987, 0.3218



62.9901, 0.2965, 0.3895



19.2788, 0.2965, 0.3206



0.0000, 0.0000, 0.0000



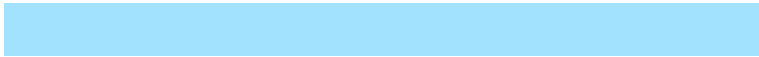
21.4041, 0.3127, 0.3290

Same Dimension

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



54.6389, 0.2666, 0.3025



69.5353, 0.2574, 0.2961



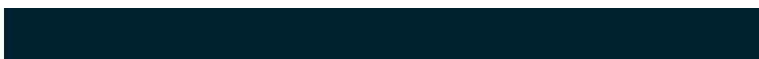
40.9268, 0.2618, 0.2594



14.8093, 0.2982, 0.3215



16.7519, 0.1955, 0.2236



1.3191, 0.2005, 0.2418

Inverse Universe

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



43.7351, 0.3348, 0.2764



53.0281, 0.3408, 0.2653



63.9926, 0.3620, 0.3901



13.8586, 0.3185, 0.3130



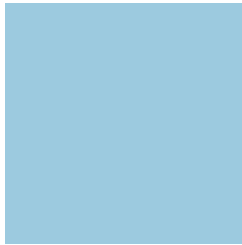
10.5992, 0.4193, 0.2084



0.7506, 0.4005, 0.1980

Previews

White Background



This preview shows how the Yxy color 54.6367, 0.2666, 0.3025 looks on a white background.

Color Contrast Check

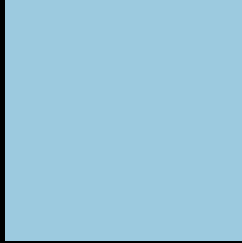
Large Text (above 18pt) WCAG AA × Fail

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 54.6367, 0.2666, 0.3025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

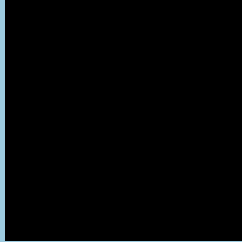
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.6367, 0.2666, 0.3025

Background



This preview shows how black text looks on a background with the Yxy color 54.6367, 0.2666, 0.3025.



This preview shows how white text looks on a background with the Yxy color 54.6367, 0.2666, 0.3025.

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

54.6367, 0.2666, 0.3025

Protanopia

54.2260, 0.2939, 0.3002

Deuteranopia

54.4600, 0.2936, 0.2871



Tritanopia

54.7949, 0.2684, 0.3086

Trichromacy



Original Color

54.6367, 0.2666, 0.3025

Protanomaly

54.0593, 0.2831, 0.3008

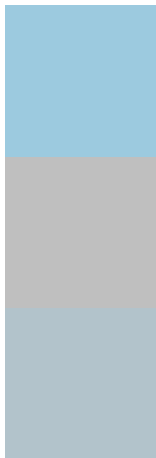
Deuteranomaly

54.0871, 0.2827, 0.2917

Tritanomaly

54.8477, 0.2679, 0.3074

Monochromacy



Original Color

54.6367, 0.2666, 0.3025

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

52.8070, 0.2938, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.6367, 0.2666, 0.3025 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(156, 202, 223)` looks like.

```
.text, #text, p{  
    color:rgb(156, 202, 223)  
}
```

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(156, 202, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 202, 223) }
```

Border

The CSS property to change the border of an element to Yxy 54.6367, 0.2666, 0.3025 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(156, 202, 223) }
```

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

```
.border{ border-color:rgb(156, 202, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 202, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 202, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 202, 223);  
box-shadow:4px 4px 4px 4px rgb(156, 202,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 54.6367, 0.2666, 0.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 202, 223) }
```

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

```
.background{ background-color: rgb(156,  
202, 223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor