

# Converting Colors

$Yxy(55.9601, 0.2647, 0.2998)$

Have a look what the booklet for  
Yxy(55.9601, 0.2647, 0.2998)  
contains.

<b>Yxy(55.9553, 0.2646, 0.2992)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(55.9553, 0.2646, 0.2992)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DCCE4
RGB	157, 204, 228
RGB Percent	62%, 80%, 89%
CMY	0.3847, 0.1999, 0.1060
CMYK	0.31, 0.11, 0.00, 0.11
HSL	200°, 57%, 75%
HSV	200°, 31%, 89%
XYZ	49.4845, 55.9553, 81.5765
YIQ	192.6830, -35.7160, -2.5000

# Conversions

## Conversions Part 2

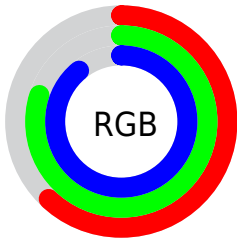
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 185, 228
Decimal	10341604
CIELab	79.59, -9.78, -16.84
CIELCh	80, 19.476, 239.846
Yxy	55.9553, 0.2646, 0.2992
Android (android.graphics.Color)	4288531684 (0xFF9DCCE4)
YUV	192.6830, 17.4113, -31.2940
Hunter-Lab	74.8033, -12.8228, -12.2963

# Details

The Yxy color **55.9553, 0.2646, 0.2992** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.9121, 0.3751, 0.3568**, and the grayscale version is **53.0346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **27.7134, 0.2521, 0.2906** is the 20% darker color. If you saturate the color by 10%, you get **50.3126, 0.2498, 0.2879**, and if you desaturate by 10%, it is **62.2104, 0.2799, 0.3097**.

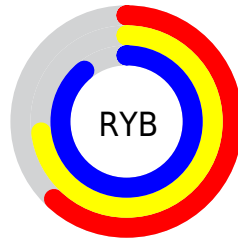
# Distribution



Red (62%)

Green (80%)

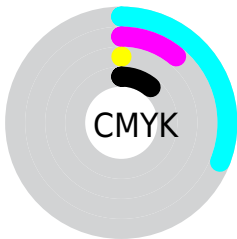
Blue (89%)



Red (62%)

Yellow (73%)

Blue (89%)

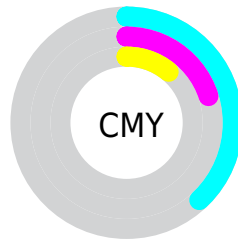


Cyan (31%)

Magenta (11%)

Yellow (0%)

Black (11%)



Cyan (38%)

Magenta (20%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9553, 0.2646, 0.2992 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 55.9553, 0.2646, 0.2992 by changing the saturation by 10% instead.



■ 55.9553, 0.2646,  
0.2992

■ 55.9553, 0.2646,  
0.2992

■ 409.5230, 0.2875,  
0.3139

■ 40.1671, 0.2592,  
0.2956

■ 98.9392, 0.2727,  
0.3045

■ 27.6688, 0.2525,  
0.2911

■ 126.9037, 0.2758,  
0.3065

■ 18.0762, 0.2439,  
0.2852

■ 159.6958, 0.2784,  
0.3082

■ 11.0047, 0.2324,  
0.2771

■ 197.6997, 0.2807,  
0.3096

■ 6.0700, 0.2166,  
0.2656

■ 241.3001, 0.2828,  
0.3109

■ 2.8877, 0.1934,  
0.2479

■ 290.8811, 0.2845,

■ 1.0734, 0.1563,

0.3120

0.2179

346.8273, 0.2861,  
0.3130

0.0000, 0.0000,  
0.0000

55.9553, 0.2646,  
0.2992

55.9553, 0.2646,  
0.2992

50.3126, 0.2498,  
0.2879

62.2104, 0.2799,  
0.3097

45.2492, 0.2360,  
0.2758

69.0956, 0.2954,  
0.3193

40.7386, 0.2235,  
0.2632

76.6364, 0.3109,  
0.3280

36.7487, 0.2127,  
0.2503

84.8541, 0.3261,  
0.3358

33.2432, 0.2039,  
0.2373

90.6292, 0.3300,  
0.3432

■ 30.1793, 0.1971,  
0.2244

■ 95.3106, 0.3291,  
0.3506

■ 27.7813, 0.1926,  
0.2132

■ 98.3804, 0.3286,  
0.3552

# Harmonies

## Analogous

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



55.9553, 0.2678, 0.3194



55.9553, 0.2646, 0.2992



55.9553, 0.2736, 0.2880

# Triad

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



55.9553, 0.2646, 0.2992



55.9553, 0.3431, 0.3143



55.9553, 0.3312, 0.3742

# Complementary

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



55.9553, 0.2646, 0.2992



51.9121, 0.3751, 0.3568

# 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.



55.9553, 0.3525, 0.3707



55.9553, 0.2646, 0.2992



55.9553, 0.3598, 0.3356

# Square

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



55.9553, 0.2646, 0.2992



55.9553, 0.3184, 0.2971



55.9553, 0.3632, 0.3562



55.9553, 0.3055, 0.3643



# Rectangle

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



55.9553, 0.2646, 0.2992



55.9553, 0.2856, 0.2865



55.9553, 0.3632, 0.3562



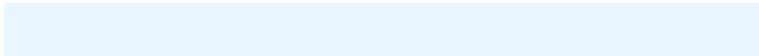
55.9553, 0.3391, 0.3745

# Sweetspot

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



55.9575, 0.2646, 0.2992



91.0682, 0.2987, 0.3213



65.9546, 0.2946, 0.3892



19.1974, 0.2965, 0.3199



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

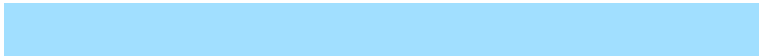


# Same Dimension

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



55.9575, 0.2646, 0.2992



67.6444, 0.2556, 0.2924



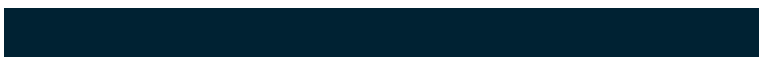
41.0420, 0.2592, 0.2531



15.4752, 0.2981, 0.3209



16.2722, 0.1931, 0.2152



1.3724, 0.1983, 0.2337



# Inverse Universe

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



44.9334, 0.3374, 0.2760



51.9662, 0.3438, 0.2656



68.1029, 0.3633, 0.3949



14.5283, 0.3189, 0.3135



10.8404, 0.4285, 0.2134

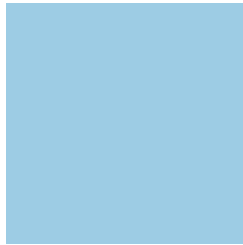


0.8182, 0.4088, 0.2025



# Previews

## White Background



This preview shows how the Yxy color 55.9553, 0.2646, 0.2992 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

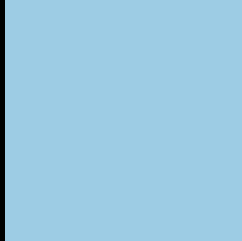
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.9553, 0.2646, 0.2992 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

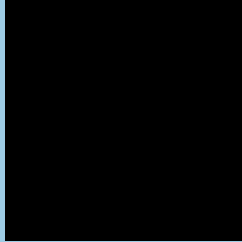
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.9553, 0.2646, 0.2992**

## Background



This preview shows how black text looks on a background with the Yxy color 55.9553, 0.2646, 0.2992.

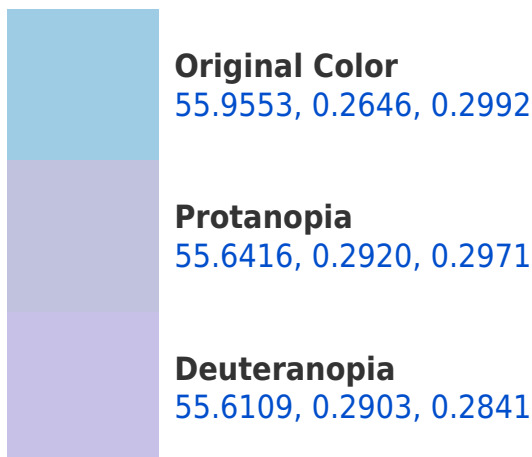


This preview shows how white text looks on a background with the Yxy color 55.9553, 0.2646, 0.2992.

# 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

55.9051, 0.2670, 0.3075

# Trichromacy



## Original Color

55.9553, 0.2646, 0.2992

## Protanomaly

55.4733, 0.2815, 0.2976

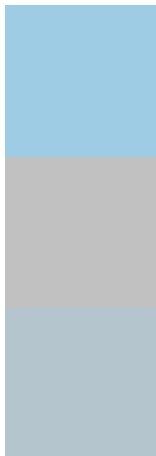
## Deuteranomaly

55.3834, 0.2803, 0.2886

## Tritanomaly

56.1124, 0.2665, 0.3052

# Monochromacy



## Original Color

55.9553, 0.2646, 0.2992

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

54.0920, 0.2933, 0.3178

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.9553, 0.2646, 0.2992 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(157, 204, 228)` looks like.

```
.text, #text, p{  
    color:rgb(157, 204, 228)  
}
```

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(157, 204, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 204, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 55.9553, 0.2646, 0.2992 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(157, 204, 228) }
```

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

```
.border{ border-color:rgb(157, 204, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 204, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 204, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 204, 228);  
box-shadow:4px 4px 4px 4px rgb(157, 204,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.9553, 0.2646, 0.2992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 204, 228) }
```

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

```
.background{ background-color: rgb(157,  
204, 228) }
```

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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