

Converting Colors

$Yxy(55.9631, 0.2401, 0.3117)$

Have a look what the booklet for
Yxy(55.9631, 0.2401, 0.3117)
contains.

Yxy(55.9631, 0.2401, 0.3117)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.9631, 0.2401, 0.3117)

Conversions

Conversions Part 1

Format	Color
Hex	67D5E2
RGB	103, 213, 226
RGB Percent	40%, 84%, 89%
CMY	0.5963, 0.1647, 0.1138
CMYK	0.54, 0.06, 0.00, 0.11
HSL	186°, 68%, 64%
HSV	186°, 54%, 89%
XYZ	43.1079, 55.9631, 80.4705
YIQ	181.5920, -69.7330, -19.2770

Conversions

Conversions Part 2

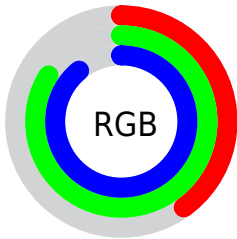
Format	Color
R _{YB}	103, 161, 226
Decimal	6804962
CIE Lab	79.59, -27.88, -16.01
CIE LCh	80, 32.149, 209.864
Yxy	55.9631, 0.2401, 0.3117
Android (android.graphics.Color)	4284995042 (0xFF67D5E2)
YUV	181.5920, 21.8931, -68.9252
Hunter-Lab	74.8085, -28.0553, -11.4115

Details

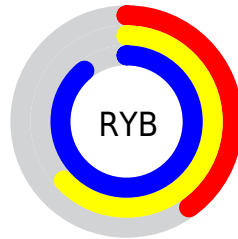
The Yxy color **55.9631, 0.2401, 0.3117** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.6152, 0.4652, 0.3441**, and the grayscale version is **46.4457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **27.6853, 0.2222, 0.3054** is the 20% darker color. If you saturate the color by 10%, you get **53.6156, 0.2313, 0.3080**, and if you desaturate by 10%, it is **58.6934, 0.2507, 0.3153**.

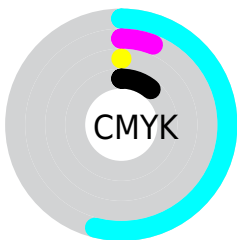
Distribution



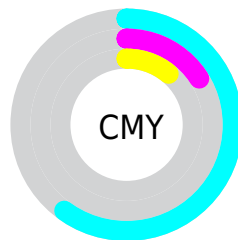
- Red (40%)
- Green (84%)
- Blue (89%)



- Red (40%)
- Yellow (63%)
- Blue (89%)



- Cyan (54%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)





- Cyan (60%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9631, 0.2401, 0.3117 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 55.9631, 0.2401, 0.3117 by changing the saturation by 10% instead.


 55.9631, 0.2401,
0.3117

 55.9631, 0.2401,
0.3117


409.5524, 0.2743,
0.3210


 40.1733, 0.2322,
0.3092

 98.9506, 0.2521,
0.3152

 27.6737, 0.2224,
0.3060


 126.9172, 0.2567,
0.3165

 18.0798, 0.2099,
0.3016


 159.7114, 0.2607,
0.3176

 11.0073, 0.1937,
0.2953

197.7178, 0.2641,
0.3185

 6.0718, 0.1716,
0.2858

241.3207, 0.2671,
0.3192

 2.8888, 0.1406,
0.2700

290.9045, 0.2698,

 1.0739, 0.0754,

0.3199

0.2462

346.8536, 0.2722,
0.3205

0.0000, 0.0000,
0.0000

55.9631, 0.2401,
0.3117

55.9631, 0.2401,
0.3117

53.6156, 0.2313,
0.3080

58.6934, 0.2507,
0.3153

51.6147, 0.2245,
0.3044

61.8268, 0.2628,
0.3187

49.9277, 0.2196,
0.3007

65.3894, 0.2762,
0.3220

48.5124, 0.2165,
0.2971

69.4034, 0.2907,
0.3250

47.8063, 0.2153,
0.2951

73.8894, 0.3058,
0.3278

78.8667, 0.3214,
0.3304

83.1723, 0.3328,
0.3327

84.5052, 0.3325,
0.3351

85.8563, 0.3322,
0.3374

Harmonies

Analogous

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



55.9631, 0.2630, 0.3531



55.9631, 0.2401, 0.3117



55.9631, 0.2354, 0.2792

Triad

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



55.9631, 0.2401, 0.3117



55.9631, 0.3214, 0.2780



55.9631, 0.3776, 0.3970

Complementary

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



55.9631, 0.2401, 0.3117



29.6152, 0.4652, 0.3441

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.



55.9631, 0.3962, 0.3715



55.9631, 0.2401, 0.3117



55.9631, 0.3629, 0.3048

Square

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



55.9631, 0.2401, 0.3117



55.9631, 0.2800, 0.2628



55.9631, 0.3910, 0.3381



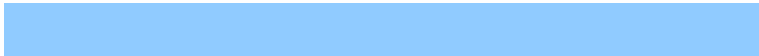
55.9631, 0.3419, 0.4051

Rectangle

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



55.9631, 0.2401, 0.3117



55.9631, 0.2428, 0.2662



55.9631, 0.3910, 0.3381



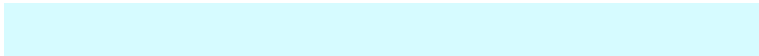
55.9631, 0.3861, 0.3899

Sweetspot

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



55.9652, 0.2401, 0.3117



90.3523, 0.2882, 0.3245



58.5086, 0.2988, 0.4872



19.0988, 0.2852, 0.3239



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.



55.9652, 0.2401, 0.3117



70.2287, 0.2306, 0.3077



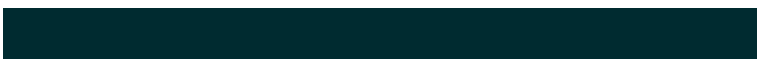
30.8780, 0.2219, 0.2242



15.3125, 0.2982, 0.3265



27.3818, 0.2155, 0.2956



1.9698, 0.2170, 0.3012

Inverse Universe

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



30.6597, 0.3320, 0.2111



34.5916, 0.3366, 0.1934



48.4971, 0.4209, 0.4126



13.9094, 0.3154, 0.3083



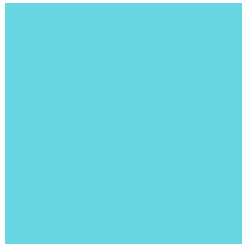
11.6723, 0.3493, 0.1698



0.8163, 0.3444, 0.1671

Previews

White Background



This preview shows how the Yxy color 55.9631, 0.2401, 0.3117 looks on a white background.

Color Contrast Check

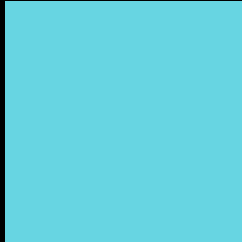
Large Text (above 18pt) WCAG AA × Fail

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 55.9631, 0.2401, 0.3117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

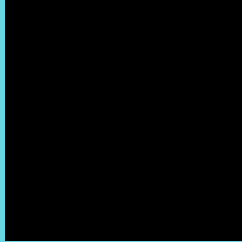
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.9631, 0.2401, 0.3117

Background



This preview shows how black text looks on a background with the Yxy color 55.9631, 0.2401, 0.3117.



This preview shows how white text looks on a background with the Yxy color 55.9631, 0.2401, 0.3117.

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

55.9631, 0.2401, 0.3117

Protanopia

55.3546, 0.2983, 0.3063

Deuteranopia

55.0369, 0.2895, 0.2828



Tritanopia

55.7432, 0.2384, 0.3053

Trichromacy



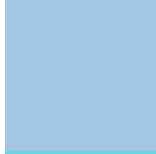
Original Color

55.9631, 0.2401, 0.3117



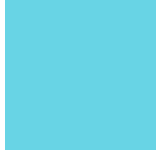
Protanomaly

54.8801, 0.2727, 0.3088



Deuteranomaly

54.2905, 0.2671, 0.2920



Tritanomaly

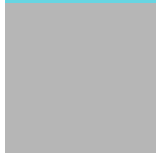
55.6872, 0.2389, 0.3065

Monochromacy



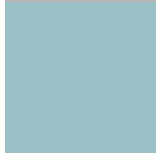
Original Color

55.9631, 0.2401, 0.3117



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

48.9894, 0.2789, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9631, 0.2401, 0.3117 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(103, 213, 226)` looks like.

```
.text, #text, p{  
    color:rgb(103, 213, 226)  
}
```

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(103, 213, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 213, 226) }
```

Border

The CSS property to change the border of an element to Yxy 55.9631, 0.2401, 0.3117 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(103, 213, 226) }
```

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

```
.border{ border-color:rgb(103, 213, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 213, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 213, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 213, 226);  
box-shadow:4px 4px 4px 4px rgb(103, 213,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9631, 0.2401, 0.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 213, 226) }
```

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

```
.background{ background-color: rgb(103,  
213, 226) }
```

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