

Converting Colors

$Yxy(55.6943, 0.2372, 0.3088)$

Have a look what the booklet for
Yxy(55.6943, 0.2372, 0.3088)
contains.

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Color

Yxy(55.7866, 0.2373, 0.3090)

Conversions

Conversions Part 1

Format	Color
Hex	62D5E4
RGB	98, 213, 228
RGB Percent	38%, 84%, 89%
CMY	0.6153, 0.1647, 0.1059
CMYK	0.57, 0.07, 0.00, 0.11
HSL	187°, 71%, 64%
HSV	187°, 57%, 89%
XYZ	42.8419, 55.7866, 81.9106
YIQ	180.3250, -73.3550, -19.7150

Conversions

Conversions Part 2

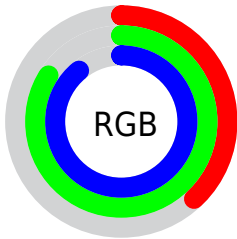
Format	Color
RYP	98, 159, 228
Decimal	6477284
CIELab	79.49, -28.24, -17.25
CIElCh	79, 33.093, 211.426
Yxy	55.7866, 0.2373, 0.3090
Android (android.graphics.Color)	4284667364 (0xFF62D5E4)
YUV	180.3250, 23.5038, -72.1990
Hunter-Lab	74.6904, -28.3218, -12.7382

Details

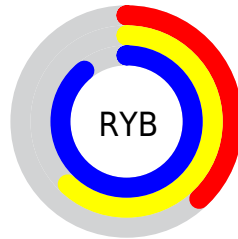
The Yxy color **55.7866, 0.2373, 0.3090** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.2112, 0.4752, 0.3460**, and the grayscale version is **45.7395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **27.5810, 0.2187, 0.3019** is the 20% darker color. If you saturate the color by 10%, you get **53.3800, 0.2289, 0.3050**, and if you desaturate by 10%, it is **58.5801, 0.2475, 0.3130**.

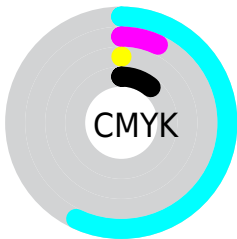
Distribution



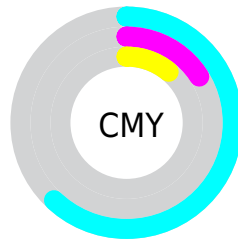
- Red (38%)
- Green (84%)
- Blue (89%)



- Red (38%)
- Yellow (62%)
- Blue (89%)



- Cyan (57%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)




- Cyan (62%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7866, 0.2373, 0.3090 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 55.7866, 0.2373, 0.3090 by changing the saturation by 10% instead.

 55.7866, 0.2373,
0.3090

 55.7866, 0.2373,
0.3090


408.8868, 0.2728,
0.3197

 40.0319, 0.2291,
0.3062

 98.6925, 0.2497,
0.3130

 27.5634, 0.2190,
0.3025


 126.6124, 0.2545,
0.3145

 17.9968, 0.2061,
0.2975


 159.3562, 0.2586,
0.3157

 10.9477, 0.1894,
0.2905

 197.3083, 0.2622,
0.3167

 6.0317, 0.1668,
0.2799

240.8529, 0.2653,
0.3176

 2.8643, 0.1353,
0.2625

290.3747, 0.2681,

 1.0613, 0.0689,

0.3184

0.2363

346.2578, 0.2706,
0.3191

0.0000, 0.0000,
0.0000

55.7866, 0.2373,
0.3090

55.7866, 0.2373,
0.3090

53.3800, 0.2289,
0.3050

58.5801, 0.2475,
0.3130

51.3225, 0.2224,
0.3009

61.7823, 0.2594,
0.3168

49.5789, 0.2178,
0.2969


65.4205, 0.2726,
0.3204


48.1015, 0.2150,
0.2929

69.5177, 0.2869,
0.3238

47.6833, 0.2144,
0.2917

74.0955, 0.3019,
0.3270

 79.1738, 0.3174,
0.3298

 84.2571, 0.3312,
0.3325

 85.7466, 0.3309,
0.3350

 87.2584, 0.3306,
0.3376

Harmonies

Analogous

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



55.7866, 0.2599, 0.3516



55.7866, 0.2373, 0.3090



55.7866, 0.2335, 0.2764

Triad

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



55.7866, 0.2373, 0.3090



55.7866, 0.3240, 0.2777



55.7866, 0.3779, 0.4000

Complementary

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



55.7866, 0.2373, 0.3090



29.2112, 0.4752, 0.3460

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.



55.7866, 0.3983, 0.3742



55.7866, 0.2373, 0.3090



55.7866, 0.3664, 0.3057

Square

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



55.7866, 0.2373, 0.3090



55.7866, 0.2810, 0.2614



55.7866, 0.3944, 0.3400



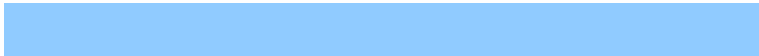
55.7866, 0.3405, 0.4073

Rectangle

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



55.7866, 0.2373, 0.3090



55.7866, 0.2417, 0.2637



55.7866, 0.3944, 0.3400



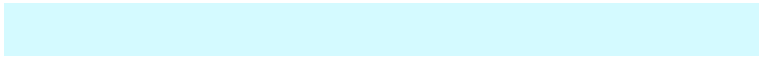
55.7866, 0.3870, 0.3929

Sweetspot

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



55.7887, 0.2373, 0.3090



89.5308, 0.2867, 0.3238



59.2403, 0.2984, 0.4956



18.9246, 0.2838, 0.3231



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.



55.7887, 0.2373, 0.3090



68.3925, 0.2278, 0.3044



30.0341, 0.2177, 0.2182



16.0370, 0.2982, 0.3262



27.6458, 0.2145, 0.2923



2.1240, 0.2162, 0.2981

Inverse Universe

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



30.0509, 0.3345, 0.2078



33.2306, 0.3397, 0.1906



48.4442, 0.4270, 0.4159



14.5850, 0.3155, 0.3085



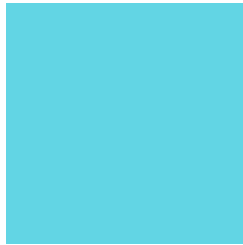
11.9886, 0.3523, 0.1714



0.8941, 0.3471, 0.1686

Previews

White Background



This preview shows how the Yxy color 55.7866, 0.2373, 0.3090 looks on a white background.

Color Contrast Check

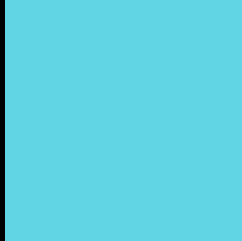
Large Text (above 18pt) WCAG AA × Fail

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 55.7866, 0.2373, 0.3090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

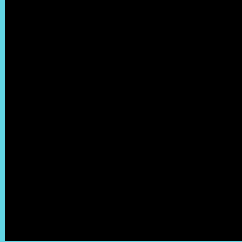
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7866, 0.2373, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 55.7866, 0.2373, 0.3090.



This preview shows how white text looks on a background with the Yxy color 55.7866, 0.2373, 0.3090.

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

55.7866, 0.2373, 0.3090

Protanopia

54.8789, 0.2961, 0.3027

Deuteranopia

55.0151, 0.2874, 0.2805



Tritanopia

55.9543, 0.2368, 0.3065

Trichromacy



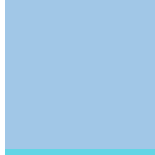
Original Color

55.7866, 0.2373, 0.3090



Protanomaly

54.2097, 0.2695, 0.3050



Deuteranomaly

54.1934, 0.2647, 0.2895



Tritanomaly

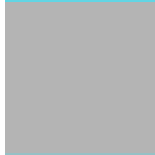
55.8983, 0.2372, 0.3078

Monochromacy



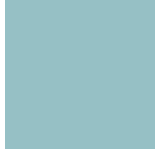
Original Color

55.7866, 0.2373, 0.3090



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

48.2145, 0.2773, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7866, 0.2373, 0.3090 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(98, 213, 228)` looks like.

```
.text, #text, p{  
    color:rgb(98, 213, 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(98, 213, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 213, 228) }
```

Border

The CSS property to change the border of an element to Yxy 55.7866, 0.2373, 0.3090 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(98, 213, 228) }
```

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

```
.border{ border-color:rgb(98, 213, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 213, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 213, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 213, 228);  
box-shadow:4px 4px 4px 4px rgb(98, 213,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7866, 0.2373, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 213, 228) }
```

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

```
.background{ background-color: rgb(98, 213,  
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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