

Converting Colors

$Y_{xy}(55.4228, 0.2404, 0.2942)$

Have a look what the booklet for
Yxy(55.4228, 0.2404, 0.2942)
contains.

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Color

Yxy(55.4390, 0.2403, 0.2943)

Conversions

Conversions Part 1

Format	Color
Hex	75D1EC
RGB	117, 209, 236
RGB Percent	46%, 82%, 93%
CMY	0.5415, 0.1803, 0.0745
CMYK	0.50, 0.11, 0.00, 0.07
HSL	194°, 76%, 69%
HSV	194°, 50%, 93%
XYZ	45.2667, 55.4390, 87.6701
YIQ	184.5700, -63.4990, -11.1070

Conversions

Conversions Part 2

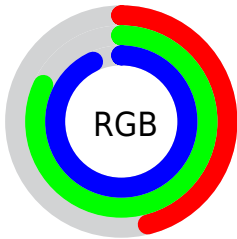
Format	Color
RYB	117, 169, 236
Decimal	7721452
CIELab	79.29, -20.28, -21.76
CIELCh	79, 29.749, 227.020
Yxy	55.4390, 0.2403, 0.2943
Android (android.graphics.Color)	4285911532 (0xFF75D1EC)
YUV	184.5700, 25.3550, -59.2589
Hunter-Lab	74.4574, -21.7805, -17.6911

Details

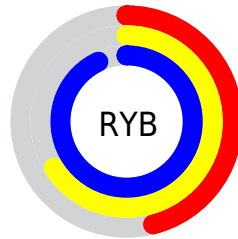
The Yxy color **55.4390, 0.2403, 0.2943** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **39.0271, 0.4397, 0.3594**, and the grayscale version is **48.1368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **27.1908, 0.2225, 0.2838** is the 20% darker color. If you saturate the color by 10%, you get **51.4287, 0.2292, 0.2861**, and if you desaturate by 10%, it is **59.9534, 0.2529, 0.3022**.

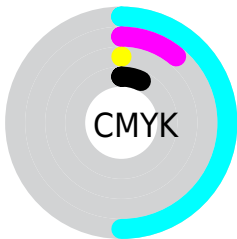
Distribution



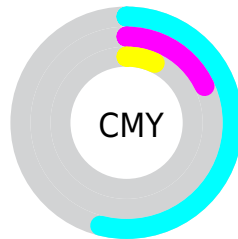
- Red (46%)
- Green (82%)
- Blue (93%)



- Red (46%)
- Yellow (66%)
- Blue (93%)



- Cyan (50%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)



- Cyan (54%)
- Magenta (18%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4390, 0.2403, 0.2943 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 55.4390, 0.2403, 0.2943 by changing the saturation by 10% instead.

■ 55.4390, 0.2403,
0.2943

■ 55.4390, 0.2403,
0.2943

■ 407.5739, 0.2744,
0.3118

■ 39.7533, 0.2324,
0.2899

■ 98.1839, 0.2522,
0.3007

■ 27.3463, 0.2227,
0.2844

■ 126.0118, 0.2568,
0.3031

■ 17.8334, 0.2104,
0.2770

■ 158.6560, 0.2608,
0.3051

■ 10.8305, 0.1943,
0.2670

■ 196.5008, 0.2642,
0.3068

■ 5.9530, 0.1727,
0.2525

■ 239.9306, 0.2672,
0.3083

■ 2.8165, 0.1425,
0.2302

■ 289.3297, 0.2699,

■ 1.0367, 0.0907,

0.3097

0.1948

345.0827, 0.2723,
0.3108

0.0000, 0.0000,
0.0000

55.4390, 0.2403,
0.2943

55.4390, 0.2403,
0.2943

51.4287, 0.2292,
0.2861

59.9534, 0.2529,
0.3022

47.8839, 0.2199,
0.2778

64.9947, 0.2667,
0.3096

44.7694, 0.2126,
0.2693


70.5918, 0.2814,
0.3165

42.0414, 0.2072,
0.2609

76.7691, 0.2966,
0.3229

39.7303, 0.2036,
0.2530

83.5498, 0.3120,
0.3287

 90.2846, 0.3251,
0.3340

 93.4984, 0.3246,
0.3392

 96.8058, 0.3241,
0.3443

 98.8361, 0.3238,
0.3473

Harmonies

Analogous

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



55.4390, 0.2523, 0.3292



55.4390, 0.2403, 0.2943



55.4390, 0.2460, 0.2719

Triad

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



55.4390, 0.2403, 0.2943



55.4390, 0.3437, 0.2947



55.4390, 0.3555, 0.3989

Complementary

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



55.4390, 0.2403, 0.2943



39.0271, 0.4397, 0.3594

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.



55.4390, 0.3828, 0.3838



55.4390, 0.2403, 0.2943



55.4390, 0.3764, 0.3240

Square

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



55.4390, 0.2403, 0.2943



55.4390, 0.3037, 0.2737



55.4390, 0.3910, 0.3560



55.4390, 0.3177, 0.3936

Rectangle

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



55.4390, 0.2403, 0.2943



55.4390, 0.2593, 0.2657



55.4390, 0.3910, 0.3560



55.4390, 0.3663, 0.3958

Sweetspot

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



55.4411, 0.2403, 0.2943



88.0485, 0.2895, 0.3201



65.7401, 0.2928, 0.4555



18.5144, 0.2863, 0.3187



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.



55.4411, 0.2403, 0.2943



60.9582, 0.2284, 0.2855



31.8518, 0.2246, 0.2137



16.5094, 0.2981, 0.3235



22.1038, 0.2040, 0.2543



1.8771, 0.2072, 0.2659

Inverse Universe

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



35.1377, 0.3452, 0.2313



35.4237, 0.3546, 0.2142



61.4761, 0.4039, 0.4210



15.2520, 0.3172, 0.3110



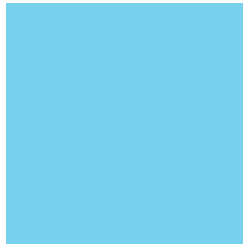
11.7242, 0.3879, 0.1911



0.9349, 0.3767, 0.1849

Previews

White Background



This preview shows how the Yxy color 55.4390, 0.2403, 0.2943 looks on a white background.

Color Contrast Check

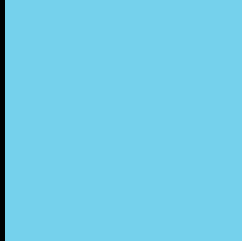
Large Text (above 18pt) WCAG AA × Fail

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 55.4390, 0.2403, 0.2943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

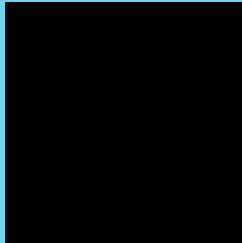
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.4390, 0.2403, 0.2943

Background



This preview shows how black text looks on a background with the Yxy color 55.4390, 0.2403, 0.2943.



This preview shows how white text looks on a background with the Yxy color 55.4390, 0.2403, 0.2943.

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

55.4390, 0.2403, 0.2943

Protanopia

55.0217, 0.2871, 0.2911

Deuteranopia

54.7593, 0.2792, 0.2726



Tritanopia

55.2166, 0.2435, 0.3066

Trichromacy



Original Color

55.4390, 0.2403, 0.2943

Protanomaly

54.3465, 0.2665, 0.2908

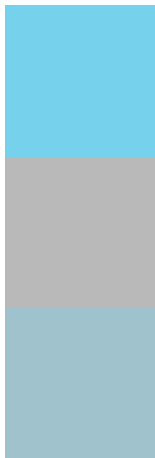
Deuteranomaly

54.6195, 0.2625, 0.2795

Tritanomaly

55.4512, 0.2425, 0.3029

Monochromacy



Original Color

55.4390, 0.2403, 0.2943

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

50.4168, 0.2800, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4390, 0.2403, 0.2943 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(117, 209, 236)` looks like.

```
.text, #text, p{  
    color:rgb(117, 209, 236)  
}
```

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(117, 209, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 209, 236) }
```

Border

The CSS property to change the border of an element to Yxy 55.4390, 0.2403, 0.2943 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(117, 209, 236) }
```

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

```
.border{ border-color:rgb(117, 209, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 209, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 209, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 209, 236);  
box-shadow:4px 4px 4px 4px rgb(117, 209,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4390, 0.2403, 0.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 209, 236) }
```

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

```
.background{ background-color: rgb(117,  
209, 236) }
```

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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