

Converting Colors

$Y_{xy}(55.2058, 0.2403, 0.3001)$

Have a look what the booklet for
Yxy(55.2058, 0.2403, 0.3001)
contains.

Yxy(55.3641, 0.2403, 0.3003)	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(55.3641, 0.2403, 0.3003)

Conversions

Conversions Part 1

Format	Color
Hex	70D2E8
RGB	112, 210, 232
RGB Percent	44%, 82%, 91%
CMY	0.5604, 0.1765, 0.0902
CMYK	0.52, 0.09, 0.00, 0.09
HSL	191°, 72%, 67%
HSV	191°, 52%, 91%
XYZ	44.3023, 55.3641, 84.6962
YIQ	183.2060, -65.4700, -13.9340

Conversions

Conversions Part 2

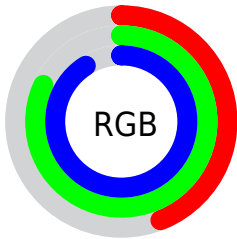
Format	Color
R _Y B	112, 166, 232
Decimal	7394024
CIE Lab	79.25, -22.89, -19.71
CIE LCh	79, 30.206, 220.732
Yxy	55.3641, 0.2403, 0.3003
Android (android.graphics.Color)	4285584104 (0xFF70D2E8)
YUV	183.2060, 24.0554, -62.4477
Hunter-Lab	74.4071, -23.9325, -15.4038

Details

The Yxy color **55.3641, 0.2403, 0.3003** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.4064, 0.4475, 0.3541**, and the grayscale version is **47.3778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3979, 0.2657, 0.3289**, and **27.1816, 0.2226, 0.2918** is the 20% darker color. If you saturate the color by 10%, you get **51.9591, 0.2300, 0.2938**, and if you desaturate by 10%, it is **59.2214, 0.2522, 0.3066**.

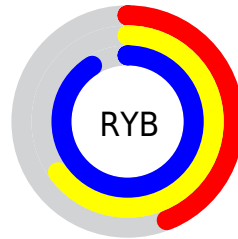
Distribution



Red (44%)

Green (82%)

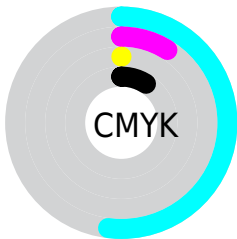
Blue (91%)



Red (44%)

Yellow (65%)

Blue (91%)

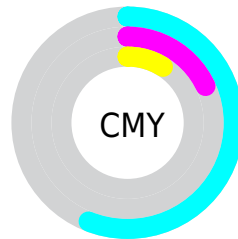


Cyan (52%)

Magenta (9%)

Yellow (0%)

Black (9%)



Cyan (56%)


Magenta (18%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.3641, 0.2403, 0.3003 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 55.3641, 0.2403, 0.3003 by changing the saturation by 10% instead.


 55.3641, 0.2403,
0.3003

 55.3641, 0.2403,
0.3003

407.2906, 0.2744,
0.3150

 39.6933, 0.2324,
0.2966


 98.0742, 0.2522,
0.3057

 27.2995, 0.2227,
0.2918


 125.8823, 0.2568,
0.3077

 17.7983, 0.2103,
0.2854


 158.5050, 0.2608,
0.3094

 10.8053, 0.1941,
0.2765

196.3266, 0.2642,
0.3109

 5.9360, 0.1723,
0.2636

239.7316, 0.2673,
0.3121

 2.8062, 0.1417,
0.2432

289.1043, 0.2699,

 1.0314, 0.0848,

0.3132

0.2110

344.8292, 0.2723,
0.3142

0.0000, 0.0000,
0.0000

55.3641, 0.2403,
0.3003

55.3641, 0.2403,
0.3003

51.9591, 0.2300,
0.2938

59.2214, 0.2522,
0.3066

48.9688, 0.2216,
0.2871

63.5526, 0.2655,
0.3126

46.3597, 0.2151,
0.2804


68.3851, 0.2797,
0.3183


44.0889, 0.2105,
0.2737


73.7426, 0.2947,
0.3235


42.4011, 0.2079,
0.2683

79.6467, 0.3101,
0.3282

 86.1182, 0.3256,
0.3326

 89.2900, 0.3277,
0.3367

 91.8241, 0.3273,
0.3408

 94.4175, 0.3268,
0.3449

Harmonies

Analogous

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



55.3641, 0.2561, 0.3374



55.3641, 0.2403, 0.3003



55.3641, 0.2424, 0.2745

Triad

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



55.3641, 0.2403, 0.3003



55.3641, 0.3358, 0.2889



55.3641, 0.3632, 0.3983

Complementary

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



55.3641, 0.2403, 0.3003



35.4064, 0.4475, 0.3541

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.



55.3641, 0.3875, 0.3794



55.3641, 0.2403, 0.3003



55.3641, 0.3717, 0.3172

Square

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



55.3641, 0.2403, 0.3003



55.3641, 0.2953, 0.2699



55.3641, 0.3910, 0.3496



55.3641, 0.3262, 0.3978

Rectangle

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



55.3641, 0.2403, 0.3003



55.3641, 0.2535, 0.2660



55.3641, 0.3910, 0.3496



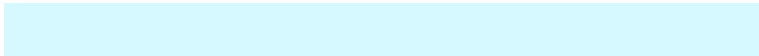
55.3641, 0.3732, 0.3938

Sweetspot

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



55.3662, 0.2403, 0.3003



88.3807, 0.2881, 0.3212



62.8887, 0.2945, 0.4646



18.6244, 0.2850, 0.3202



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.



55.3662, 0.2403, 0.3003



64.1375, 0.2294, 0.2933



31.1098, 0.2235, 0.2161



15.8628, 0.2981, 0.3246



23.7106, 0.2082, 0.2694



1.8694, 0.2108, 0.2790

Inverse Universe

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



33.4173, 0.3407, 0.2245



35.2808, 0.3481, 0.2074



56.9253, 0.4086, 0.4190



14.5674, 0.3166, 0.3100



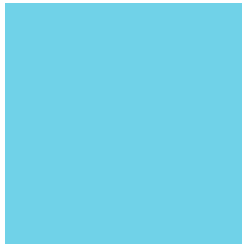
11.5913, 0.3734, 0.1831



0.8684, 0.3644, 0.1781

Previews

White Background



This preview shows how the Yxy color 55.3641, 0.2403, 0.3003 looks on a white background.

Color Contrast Check

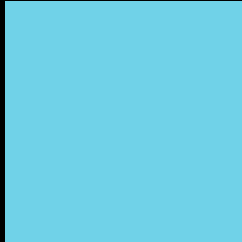
Large Text (above 18pt) WCAG AA × Fail

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 55.3641, 0.2403, 0.3003 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 55.3641, 0.2403, 0.3003

Background



This preview shows how black text looks on a background with the Yxy color 55.3641, 0.2403, 0.3003.

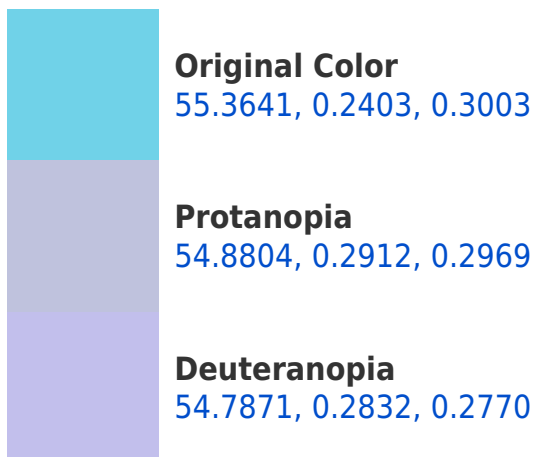


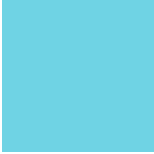
This preview shows how white text looks on a background with the Yxy color 55.3641, 0.2403, 0.3003.

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

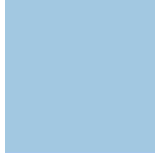
55.5695, 0.2420, 0.3066

Trichromacy



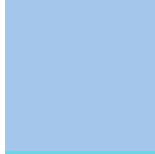
Original Color

55.3641, 0.2403, 0.3003



Protanomaly

54.4262, 0.2690, 0.2979



Deuteranomaly

54.2788, 0.2641, 0.2839



Tritanomaly

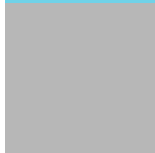
55.6252, 0.2415, 0.3054

Monochromacy



Original Color

55.3641, 0.2403, 0.3003



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

49.5251, 0.2797, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3641, 0.2403, 0.3003 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(112, 210, 232)` looks like.

```
.text, #text, p{  
    color:rgb(112, 210, 232)  
}
```

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(112, 210, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 210, 232) }
```

Border

The CSS property to change the border of an element to Yxy 55.3641, 0.2403, 0.3003 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(112, 210, 232) }
```

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

```
.border{ border-color:rgb(112, 210, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 210, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 210, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 210, 232);  
box-shadow:4px 4px 4px 4px rgb(112, 210,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3641, 0.2403, 0.3003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 210, 232) }
```

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

```
.background{ background-color: rgb(112,  
210, 232) }
```

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