

Converting Colors

$Yxy(39.4810, 0.2234, 0.2630)$

Have a look what the booklet for
Yxy(39.4810, 0.2234, 0.2630)
contains.

Yxy(39.3033, 0.2232, 0.2624)	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(39.3033, 0.2232, 0.2624)

Conversions

Conversions Part 1

Format	Color
Hex	57B2E1
RGB	87, 178, 225
RGB Percent	34%, 70%, 88%
CMY	0.6593, 0.3019, 0.1177
CMYK	0.61, 0.21, 0.00, 0.12
HSL	200°, 70%, 61%
HSV	200°, 61%, 88%
XYZ	33.4318, 39.3033, 77.0488
YIQ	156.1490, -69.3230, -4.6750

Conversions

Conversions Part 2

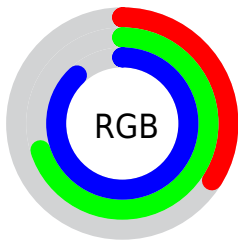
Format	Color
R _Y B	87, 142, 225
Decimal	5747425
CIE Lab	68.97, -13.30, -31.72
CIE LCh	69, 34.400, 247.248
Yxy	39.3033, 0.2232, 0.2624
Android (android.graphics.Color)	4283937505 (0xFF57B2E1)
YUV	156.1490, 33.9435, -60.6437
Hunter-Lab	62.6923, -14.5234, -28.9827

Details

The Yxy color **39.3033, 0.2232, 0.2624** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **33.7025, 0.4674, 0.3817**, and the grayscale version is **33.1730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3615, 0.2513, 0.3047**, and **17.5695, 0.2004, 0.2413** is the 20% darker color. If you saturate the color by 10%, you get **35.4258, 0.2124, 0.2494**, and if you desaturate by 10%, it is **43.6907, 0.2357, 0.2751**.

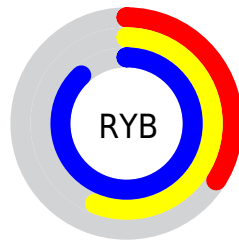
Distribution



Red (34%)

Green (70%)

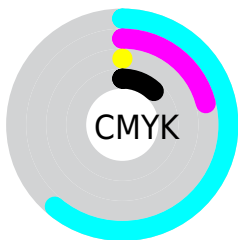
Blue (88%)



Red (34%)

Yellow (56%)

Blue (88%)

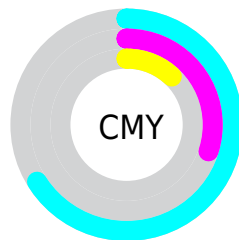


Cyan (61%)

Magenta (21%)

Yellow (0%)

Black (12%)



Cyan (66%)

Magenta (30%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.3033, 0.2232, 0.2624 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 39.3033, 0.2232, 0.2624 by changing the saturation by 10% instead.

■ 39.3033, 0.2232,
0.2624

■ 39.3033, 0.2232,
0.2624

■ 343.1783, 0.2673,
0.2967

■ 26.9958, 0.2126,
0.2537

■ 74.1014, 0.2390,
0.2750

■ 17.5700, 0.1993,
0.2426

■ 97.3608, 0.2450,
0.2797

■ 10.6417, 0.1821,
0.2279

■ 125.0396, 0.2501,
0.2836

■ 5.8265, 0.1595,
0.2077

■ 157.5222, 0.2545,
0.2870

■ 2.7399, 0.1289,
0.1789

■ 195.1929, 0.2583,
0.2899

■ 0.9975, 0.0847,
0.1365

■ 238.4363, 0.2617,

■ 0.0000, 0.0000,

0.2925

0.0000

287.6366, 0.2647,
0.2947

■ 39.3033, 0.2232,
0.2624

■ 39.3033, 0.2232,
0.2624

■ 35.4258, 0.2124,
0.2494

■ 43.6907, 0.2357,
0.2751

■ 32.0187, 0.2035,
0.2362

■ 48.6147, 0.2495,
0.2873


■ 29.0416, 0.1967,
0.2232


■ 54.1050, 0.2643,
0.2987

■ 26.7624, 0.1923,
0.2122


■ 60.1870, 0.2796,
0.3093

■ 66.8848, 0.2951,
0.3191

 74.2205, 0.3106,
0.3279

 82.2153, 0.3258,
0.3357

 88.5662, 0.3323,
0.3431

 93.1480, 0.3313,
0.3505

Harmonies

Analogous

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



39.3033, 0.2231, 0.2963



39.3033, 0.2232, 0.2624



39.3033, 0.2446, 0.2484

Triad

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



39.3033, 0.2232, 0.2624



39.3033, 0.3836, 0.3090



39.3033, 0.3347, 0.4197

Complementary

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



39.3033, 0.2232, 0.2624



33.7025, 0.4674, 0.3817

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.



39.3033, 0.3808, 0.4152



39.3033, 0.2232, 0.2624



39.3033, 0.4115, 0.3487

Square

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



39.3033, 0.2232, 0.2624



39.3033, 0.3357, 0.2753



39.3033, 0.4098, 0.3874



39.3033, 0.2849, 0.3933

Rectangle

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



39.3033, 0.2232, 0.2624



39.3033, 0.2695, 0.2499



39.3033, 0.4098, 0.3874



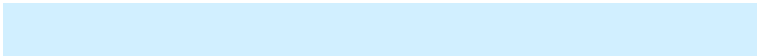
39.3033, 0.3511, 0.4215

Sweetspot

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



39.3047, 0.2232, 0.2624



82.7510, 0.2847, 0.3126



57.5559, 0.2827, 0.4640



17.1709, 0.2801, 0.3097



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.



39.3047, 0.2232, 0.2624



45.5725, 0.2094, 0.2452



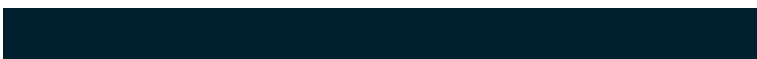
18.5877, 0.2002, 0.1613



14.7462, 0.2982, 0.3208



15.6483, 0.1928, 0.2142



1.2486, 0.1983, 0.2339

Inverse Universe

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



26.0189, 0.3746, 0.2294



28.9453, 0.3938, 0.2168



58.9193, 0.4134, 0.4521



13.8523, 0.3190, 0.3136



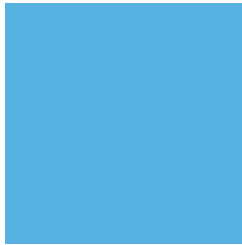
10.4877, 0.4295, 0.2140



0.7435, 0.4085, 0.2024

Previews

White Background



This preview shows how the Yxy color 39.3033, 0.2232, 0.2624 looks on a white background.

Color Contrast Check

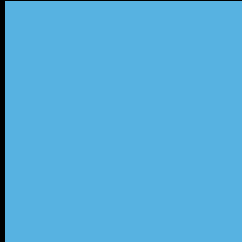
Large Text (above 18pt) WCAG AA × Fail

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 39.3033, 0.2232, 0.2624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

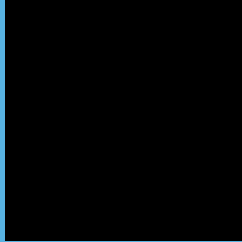
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

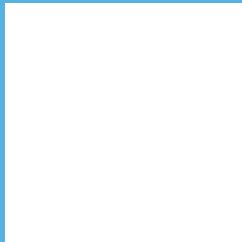
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.3033, 0.2232, 0.2624

Background



This preview shows how black text looks on a background with the Yxy color 39.3033, 0.2232, 0.2624.



This preview shows how white text looks on a background with the Yxy color 39.3033, 0.2232, 0.2624.

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

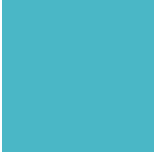
39.3033, 0.2232, 0.2624

Protanopia

38.7382, 0.2642, 0.2612

Deuteranopia

38.9013, 0.2529, 0.2469



Tritanopia

39.4000, 0.2325, 0.3059

Trichromacy



Original Color

39.3033, 0.2232, 0.2624

Protanomaly

38.6098, 0.2465, 0.2617

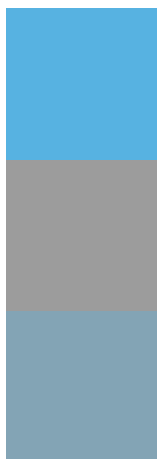
Deuteranomaly

38.7311, 0.2396, 0.2519

Tritanomaly

39.2641, 0.2289, 0.2887

Monochromacy



Original Color

39.3033, 0.2232, 0.2624

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.7124, 0.2706, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3033, 0.2232, 0.2624 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(87, 178, 225)` looks like.

```
.text, #text, p{  
    color:rgb(87, 178, 225)  
}
```

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(87, 178, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 178, 225) }
```

Border

The CSS property to change the border of an element to Yxy 39.3033, 0.2232, 0.2624 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(87, 178, 225) }
```

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

```
.border{ border-color:rgb(87, 178, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 178, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 178, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 178, 225);  
box-shadow:4px 4px 4px 4px rgb(87, 178,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3033, 0.2232, 0.2624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 178, 225) }
```

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

```
.background{ background-color: rgb(87, 178,  
225) }
```

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