

Converting Colors

$Y_{xy}(39.9257, 0.2261, 0.2639)$

Have a look what the booklet for
Yxy(39.9257, 0.2261, 0.2639)
contains.

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Color

Yxy(40.0036, 0.2261, 0.2643)

Conversions

Conversions Part 1

Format	Color
Hex	5DB3E1
RGB	93, 179, 225
RGB Percent	36%, 70%, 88%
CMY	0.6353, 0.2980, 0.1178
CMYK	0.59, 0.20, 0.00, 0.12
HSL	201°, 69%, 62%
HSV	201°, 59%, 88%
XYZ	34.2218, 40.0036, 77.1314
YIQ	158.5300, -66.0220, -3.9260

Conversions

Conversions Part 2

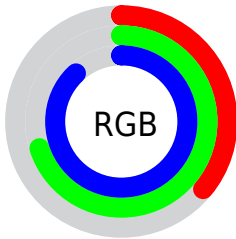
Format	Color
R _Y B	93, 145, 225
Decimal	6140897
CIE Lab	69.47, -12.71, -30.92
CIE LCh	69, 33.431, 247.658
Yxy	40.0036, 0.2261, 0.2643
Android (android.graphics.Color)	4284330977 (0xFF5DB3E1)
YUV	158.5300, 32.7697, -57.4698
Hunter-Lab	63.2484, -14.1038, -28.0303

Details

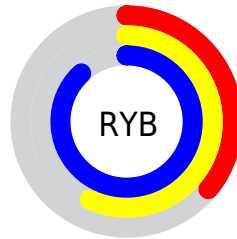
The Yxy color **40.0036, 0.2261, 0.2643** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **35.2508, 0.4571, 0.3814**, and the grayscale version is **34.3169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4090, 0.2539, 0.3060**, and **17.9096, 0.2025, 0.2437** is the 20% darker color. If you saturate the color by 10%, you get **35.9461, 0.2147, 0.2510**, and if you desaturate by 10%, it is **44.5878, 0.2391, 0.2772**.

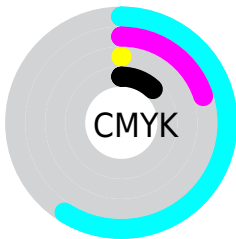
Distribution



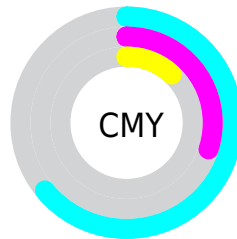
- Red (36%)
- Green (70%)
- Blue (88%)



- Red (36%)
- Yellow (57%)
- Blue (88%)



- Cyan (59%)
- Magenta (20%)
- Yellow (0%)
- Black (12%)



- Cyan (64%)
- Magenta (30%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.0036, 0.2261, 0.2643 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 40.0036, 0.2261, 0.2643 by changing the saturation by 10% instead.

■ 40.0036, 0.2261,
0.2643

■ 40.0036, 0.2261,
0.2643

■ 346.1387, 0.2688,
0.2975

■ 27.5414, 0.2158,
0.2559

■ 75.1690, 0.2413,
0.2765

■ 17.9802, 0.2029,
0.2452

■ 98.6409, 0.2472,
0.2810

■ 10.9358, 0.1863,
0.2309

■ 126.5516, 0.2521,
0.2848

■ 6.0237, 0.1644,
0.2114

■ 159.2853, 0.2564,
0.2881

■ 2.8595, 0.1345,
0.1835

■ 197.2264, 0.2601,
0.2909

■ 1.0588, 0.0921,
0.1421

■ 240.7595, 0.2633,

■ 0.0000, 0.0000,

0.2934

0.0000

290.2688, 0.2662,
0.2956

■ 40.0036, 0.2261,
0.2643

■ 40.0036, 0.2261,
0.2643

■ 35.9461, 0.2147,
0.2510

■ 44.5878, 0.2391,
0.2772

■ 32.3766, 0.2051,
0.2375

■ 49.7246, 0.2533,
0.2895

■ 29.2568, 0.1976,
0.2241

■ 55.4429, 0.2684,
0.3010

■ 26.5281, 0.1921,
0.2110

■ 61.7683, 0.2838,
0.3117

■ 26.1813, 0.1915,
0.2092

■ 68.7241, 0.2994,
0.3214

■ 76.3326, 0.3148,
0.3301

■ 84.6146, 0.3298,
0.3379

■ 90.0181, 0.3320,
0.3455

■ 94.7754, 0.3310,
0.3530

Harmonies

Analogous

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



40.0036, 0.2257, 0.2970



40.0036, 0.2261, 0.2643



40.0036, 0.2472, 0.2509

Triad

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



40.0036, 0.2261, 0.2643



40.0036, 0.3818, 0.3102



40.0036, 0.3334, 0.4163

Complementary

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



40.0036, 0.2261, 0.2643



35.2508, 0.4571, 0.3814

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.



40.0036, 0.3781, 0.4126



40.0036, 0.2261, 0.2643



40.0036, 0.4083, 0.3489

Square

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



40.0036, 0.2261, 0.2643



40.0036, 0.3357, 0.2773



40.0036, 0.4064, 0.3862



40.0036, 0.2853, 0.3904

Rectangle

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



40.0036, 0.2261, 0.2643



40.0036, 0.2715, 0.2524



40.0036, 0.4064, 0.3862



40.0036, 0.3494, 0.4183

Sweetspot

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



40.0051, 0.2261, 0.2643



82.5301, 0.2846, 0.3122



57.9690, 0.2833, 0.4569



17.1167, 0.2801, 0.3092



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.



40.0051, 0.2261, 0.2643



46.8399, 0.2128, 0.2485



20.0239, 0.2053, 0.1696



14.7267, 0.2982, 0.3206



15.3175, 0.1920, 0.2112



1.2274, 0.1976, 0.2315

Inverse Universe

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



27.0879, 0.3722, 0.2339



30.3405, 0.3897, 0.2212



59.4951, 0.4093, 0.4479



13.8503, 0.3191, 0.3138



10.4544, 0.4327, 0.2158



0.7414, 0.4111, 0.2038

Previews

White Background



This preview shows how the Yxy color 40.0036, 0.2261, 0.2643 looks on a white background.

Color Contrast Check

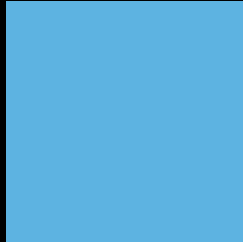
Large Text (above 18pt) WCAG AA × Fail

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 40.0036, 0.2261, 0.2643 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

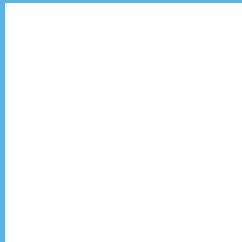
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0036, 0.2261, 0.2643

Background



This preview shows how black text looks on a background with the Yxy color 40.0036, 0.2261, 0.2643.



This preview shows how white text looks on a background with the Yxy color 40.0036, 0.2261, 0.2643.

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

40.0036, 0.2261, 0.2643

Protanopia

39.6632, 0.2660, 0.2642

Deuteranopia

39.5493, 0.2552, 0.2487



Tritanopia

40.1983, 0.2356, 0.3062

Trichromacy



Original Color

40.0036, 0.2261, 0.2643

Protanomaly

39.2268, 0.2487, 0.2635

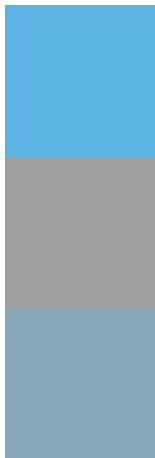
Deuteranomaly

39.4972, 0.2429, 0.2539

Tritanomaly

39.9884, 0.2321, 0.2905

Monochromacy



Original Color

40.0036, 0.2261, 0.2643

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.8422, 0.2726, 0.3036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0036, 0.2261, 0.2643 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(93, 179, 225)` looks like.

```
.text, #text, p{  
    color:rgb(93, 179, 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(93, 179, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 179, 225) }
```

Border

The CSS property to change the border of an element to Yxy 40.0036, 0.2261, 0.2643 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(93, 179, 225) }
```

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

```
.border{ border-color:rgb(93, 179, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 179, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 179, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 179, 225);  
box-shadow:4px 4px 4px 4px rgb(93, 179,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0036, 0.2261, 0.2643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 179, 225) }
```

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

```
.background{ background-color: rgb(93, 179,  
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](#).

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