

Converting Colors

$Y_{xy}(40.3908, 0.2274, 0.2788)$

Have a look what the booklet for
Yxy(40.3908, 0.2274, 0.2788)
contains.

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Color

Yxy(40.3969, 0.2274, 0.2784)

Conversions

Conversions Part 1

Format	Color
Hex	55B6D9
RGB	85, 182, 217
RGB Percent	33%, 71%, 85%
CMY	0.6668, 0.2862, 0.1490
CMYK	0.61, 0.16, 0.00, 0.15
HSL	196°, 63%, 59%
HSV	196°, 61%, 85%
XYZ	32.9966, 40.3969, 71.7103
YIQ	156.9870, -69.0470, -9.6790

Conversions

Conversions Part 2

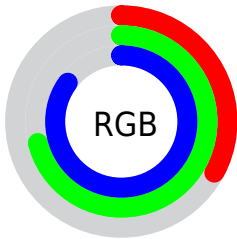
Format	Color
RYB	85, 141, 217
Decimal	5617369
CIELab	69.75, -18.21, -26.16
CIELCh	70, 31.874, 235.163
Yxy	40.3969, 0.2274, 0.2784
Android (android.graphics.Color)	4283807449 (0xFF55B6D9)
YUV	156.9870, 29.5864, -63.1326
Hunter-Lab	63.5586, -18.5587, -22.4033

Details

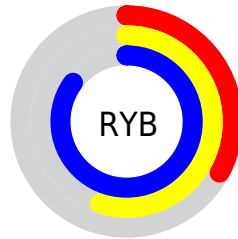
The Yxy color **40.3969, 0.2274, 0.2784** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **28.8335, 0.4739, 0.3696**, and the grayscale version is **33.5952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4801, 0.2512, 0.3094**, and **18.3091, 0.2064, 0.2629** is the 20% darker color. If you saturate the color by 10%, you get **37.2260, 0.2176, 0.2685**, and if you desaturate by 10%, it is **43.9789, 0.2389, 0.2880**.

Distribution



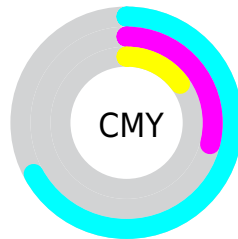
- Red (33%)
- Green (71%)
- Blue (85%)



- Red (33%)
- Yellow (55%)
- Blue (85%)



- Cyan (61%)
- Magenta (16%)
- Yellow (0%)
- Black (15%)



- Cyan (67%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3969, 0.2274, 0.2784 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 40.3969, 0.2274, 0.2784 by changing the saturation by 10% instead.

■ 40.3969, 0.2274,
0.2784

■ 40.3969, 0.2274,
0.2784

■ 347.7936, 0.2694,
0.3049

■ 27.8481, 0.2173,
0.2715

■ 75.7675, 0.2424,
0.2883

■ 18.2112, 0.2045,
0.2626

■ 99.3582, 0.2482,
0.2919

■ 11.1017, 0.1880,
0.2505

■ 127.3982, 0.2530,
0.2950

■ 6.1353, 0.1660,
0.2335

■ 160.2721, 0.2572,
0.2976

■ 2.9275, 0.1358,
0.2084

■ 198.3642, 0.2609,
0.2998

■ 1.0940, 0.0901,
0.1694

■ 242.0589, 0.2641,

■ 0.0000, 0.0000,

0.3017

0.0000

291.7405, 0.2669,
0.3034

■ 40.3969, 0.2274,
0.2784

■ 40.3969, 0.2274,
0.2784

■ 37.2260, 0.2176,
0.2685

■ 43.9789, 0.2389,
0.2880

■ 34.4310, 0.2097,
0.2585

■ 47.9944, 0.2519,
0.2973

■ 31.9772, 0.2038,
0.2486

■ 52.4692, 0.2660,
0.3060

■ 29.9734, 0.1999,
0.2396

■ 57.4254, 0.2808,
0.3142

■ 62.8835, 0.2960,
0.3217

68.8627, 0.3114,
0.3285

75.3812, 0.3267,
0.3346

81.7723, 0.3390,
0.3401

84.9909, 0.3382,
0.3458

Harmonies

Analogous

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



40.3969, 0.2356, 0.3163



40.3969, 0.2274, 0.2784



40.3969, 0.2395, 0.2576

Triad

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



40.3969, 0.2274, 0.2784



40.3969, 0.3616, 0.2970



40.3969, 0.3515, 0.4137

Complementary

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



40.3969, 0.2274, 0.2784



28.8335, 0.4739, 0.3696

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.



40.3969, 0.3888, 0.4003



40.3969, 0.2274, 0.2784



40.3969, 0.3960, 0.3326

Square

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



40.3969, 0.2274, 0.2784



40.3969, 0.3146, 0.2696



40.3969, 0.4059, 0.3697



40.3969, 0.3054, 0.4005

Rectangle

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



40.3969, 0.2274, 0.2784



40.3969, 0.2582, 0.2541



40.3969, 0.4059, 0.3697



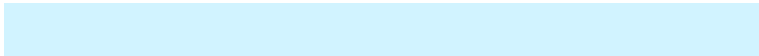
40.3969, 0.3655, 0.4118

Sweetspot

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



40.3984, 0.2274, 0.2784



84.7909, 0.2849, 0.3163



52.8681, 0.2884, 0.4791



17.6719, 0.2804, 0.3140



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.



40.3984, 0.2274, 0.2784



52.4561, 0.2152, 0.2657



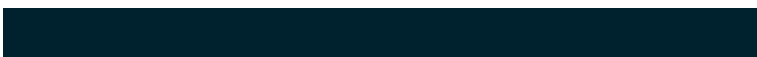
19.8907, 0.2050, 0.1793



14.2151, 0.2982, 0.3227



18.3238, 0.2003, 0.2410



1.3253, 0.2047, 0.2571

Inverse Universe

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



24.6221, 0.3605, 0.2202



29.9373, 0.3743, 0.2058



49.6890, 0.4203, 0.4406



13.2128, 0.3178, 0.3120



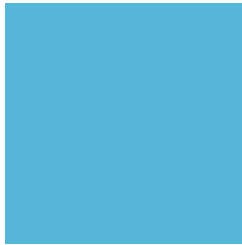
10.4736, 0.4013, 0.1984



0.6925, 0.3853, 0.1896

Previews

White Background



This preview shows how the Yxy color 40.3969, 0.2274, 0.2784 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 40.3969, 0.2274, 0.2784 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 40.3969, 0.2274, 0.2784

Background



This preview shows how black text looks on a background with the Yxy color 40.3969, 0.2274, 0.2784.

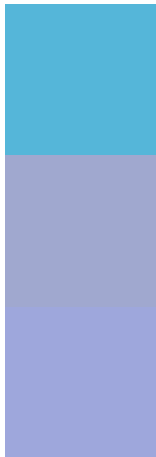


This preview shows how white text looks on a background with the Yxy color 40.3969, 0.2274, 0.2784.

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

40.3969, 0.2274, 0.2784

Protanopia

39.9838, 0.2754, 0.2769

Deuteranopia

40.0738, 0.2648, 0.2599



Tritanopia

40.4458, 0.2334, 0.3062

Trichromacy



Original Color

40.3969, 0.2274, 0.2784

Protanomaly

39.5768, 0.2538, 0.2762

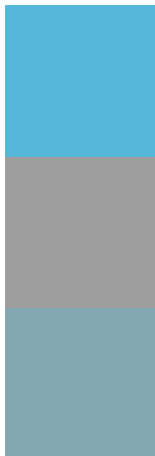
Deuteranomaly

39.4448, 0.2476, 0.2647

Tritanomaly

40.4427, 0.2313, 0.2961

Monochromacy



Original Color

40.3969, 0.2274, 0.2784

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.3524, 0.2723, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3969, 0.2274, 0.2784 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(85, 182, 217)` looks like.

```
.text, #text, p{  
    color:rgb(85, 182, 217)  
}
```

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(85, 182, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 182, 217) }
```

Border

The CSS property to change the border of an element to Yxy 40.3969, 0.2274, 0.2784 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(85, 182, 217) }
```

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

```
.border{ border-color:rgb(85, 182, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 182, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 182, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 182, 217);  
box-shadow:4px 4px 4px 4px rgb(85, 182,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3969, 0.2274, 0.2784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 182, 217) }
```

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

```
.background{ background-color: rgb(85, 182,  
217) }
```

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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