

Converting Colors

$Y_{xy}(49.1877, 0.2267, 0.2765)$

Have a look what the booklet for
Yxy(49.1877, 0.2267, 0.2765)
contains.

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Color

Yxy(49.3471, 0.2268, 0.2772)

Conversions

Conversions Part 1

Format	Color
Hex	5DC7EE
RGB	93, 199, 238
RGB Percent	36%, 78%, 93%
CMY	0.6351, 0.2196, 0.0666
CMYK	0.61, 0.16, 0.00, 0.07
HSL	196°, 81%, 65%
HSV	196°, 61%, 93%
XYZ	40.3749, 49.3471, 88.2978
YIQ	171.7520, -75.6950, -10.3430

Conversions

Conversions Part 2

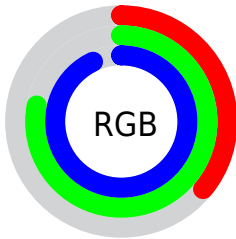
Format	Color
R _Y B	93, 154, 238
Decimal	6146030
CIE Lab	75.67, -19.25, -28.46
CIE LCh	76, 34.361, 235.921
Yxy	49.3471, 0.2268, 0.2772
Android (android.graphics.Color)	4284336110 (0xFF5DC7EE)
YUV	171.7520, 32.6603, -69.0655
Hunter-Lab	70.2475, -20.3398, -25.3515

Details

The Yxy color **49.3471, 0.2268, 0.2772** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **35.4913, 0.4749, 0.3704**, and the grayscale version is **40.9905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7086, 0.2583, 0.3288**, and **23.6282, 0.2062, 0.2624** is the 20% darker color. If you saturate the color by 10%, you get **45.4072, 0.2170, 0.2671**, and if you desaturate by 10%, it is **53.8011, 0.2384, 0.2871**.

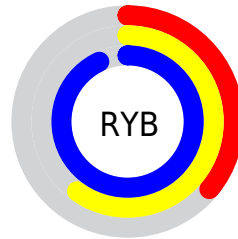
Distribution



Red (36%)

Green (78%)

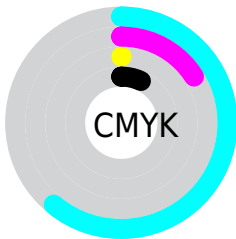
Blue (93%)



Red (36%)

Yellow (60%)

Blue (93%)

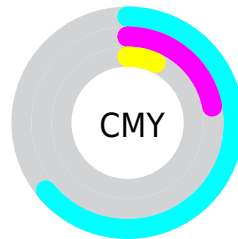


Cyan (61%)

Magenta (16%)

Yellow (0%)

Black (7%)



Cyan (64%)

Magenta (22%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3471, 0.2268, 0.2772 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 49.3471, 0.2268, 0.2772 by changing the saturation by 10% instead.

■ 49.3471, 0.2268,
0.2772

■ 49.3471, 0.2268,
0.2772

■ 384.1072, 0.2677,
0.3034

■ 34.8949, 0.2173,
0.2707

■ 89.2068, 0.2411,
0.2867

■ 23.5819, 0.2056,
0.2624

■ 115.3830, 0.2467,
0.2903

■ 15.0238, 0.1907,
0.2515

■ 146.2361, 0.2514,
0.2934

■ 8.8361, 0.1715,
0.2366

■ 182.1503, 0.2555,
0.2960

■ 4.6344, 0.1458,
0.2155

■ 223.5101, 0.2591,
0.2982

■ 2.0344, 0.1108,
0.1840

■ 270.7000, 0.2623,

■ 0.6273, 0.0272,

0.3002

0.1354

324.1042, 0.2651,
0.3019

0.0000, 0.0000,
0.0000

49.3471, 0.2268,
0.2772

49.3471, 0.2268,
0.2772

45.4072, 0.2170,
0.2671

53.8011, 0.2384,
0.2871

41.9374, 0.2091,
0.2569

58.7978, 0.2514,
0.2965

38.8934, 0.2032,
0.2467


64.3694, 0.2656,
0.3055


36.4280, 0.1993,
0.2376


70.5438, 0.2805,
0.3138

77.3468, 0.2959,
0.3215

 84.8026, 0.3113,
0.3284

 92.0399, 0.3236,
0.3347

 95.9593, 0.3230,
0.3409

 98.9540, 0.3226,
0.3454

Harmonies

Analogous

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



49.3471, 0.2345, 0.3150



49.3471, 0.2268, 0.2772



49.3471, 0.2395, 0.2567

Triad

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



49.3471, 0.2268, 0.2772



49.3471, 0.3631, 0.2976



49.3471, 0.3507, 0.4144

Complementary

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



49.3471, 0.2268, 0.2772



35.4913, 0.4749, 0.3704

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.



49.3471, 0.3887, 0.4014



49.3471, 0.2268, 0.2772



49.3471, 0.3973, 0.3335

Square

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



49.3471, 0.2268, 0.2772



49.3471, 0.3158, 0.2697



49.3471, 0.4066, 0.3709



49.3471, 0.3042, 0.4005

Rectangle

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



49.3471, 0.2268, 0.2772



49.3471, 0.2586, 0.2535



49.3471, 0.4066, 0.3709



49.3471, 0.3649, 0.4127

Sweetspot

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



49.3489, 0.2268, 0.2772



84.6793, 0.2848, 0.3161



65.1462, 0.2872, 0.4768



17.6444, 0.2804, 0.3137



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.



49.3489, 0.2268, 0.2772



52.0929, 0.2149, 0.2647



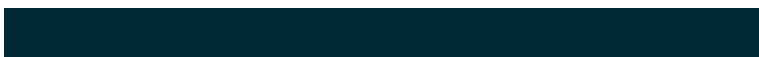
23.6492, 0.2036, 0.1749



17.1673, 0.2981, 0.3225



20.5448, 0.1998, 0.2392



1.8724, 0.2035, 0.2524

Inverse Universe

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



30.1400, 0.3616, 0.2202



29.9006, 0.3753, 0.2064



62.2473, 0.4194, 0.4433



15.9546, 0.3179, 0.3119



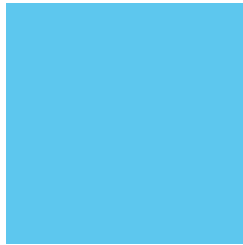
11.8674, 0.4031, 0.1994



1.0037, 0.3898, 0.1921

Previews

White Background



This preview shows how the Yxy color 49.3471, 0.2268, 0.2772 looks on a white background.

Color Contrast Check

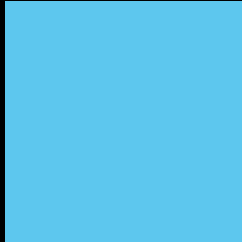
Large Text (above 18pt) WCAG AA × Fail

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 49.3471, 0.2268, 0.2772 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 49.3471, 0.2268, 0.2772

Background



This preview shows how black text looks on a background with the Yxy color 49.3471, 0.2268, 0.2772.



This preview shows how white text looks on a background with the Yxy color 49.3471, 0.2268, 0.2772.

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

49.3471, 0.2268, 0.2772

Protanopia

48.5270, 0.2747, 0.2750

Deuteranopia

48.7509, 0.2638, 0.2572



Tritanopia

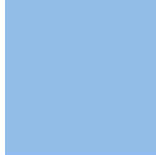
49.2404, 0.2328, 0.3052

Trichromacy



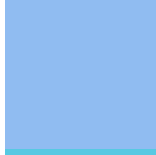
Original Color

49.3471, 0.2268, 0.2772



Protanomaly

48.1845, 0.2531, 0.2753



Deuteranomaly

48.2466, 0.2469, 0.2626



Tritanomaly

49.2905, 0.2304, 0.2947

Monochromacy



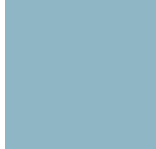
Original Color

49.3471, 0.2268, 0.2772



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.2811, 0.2718, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3471, 0.2268, 0.2772 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, 199, 238)` looks like.

```
.text, #text, p{  
    color:rgb(93, 199, 238)  
}
```

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, 199, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 199, 238) }
```

Border

The CSS property to change the border of an element to Yxy 49.3471, 0.2268, 0.2772 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, 199, 238) }
```

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

```
.border{ border-color:rgb(93, 199, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 199, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 199, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 199, 238);  
box-shadow:4px 4px 4px 4px rgb(93, 199,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3471, 0.2268, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 199, 238) }
```

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

```
.background{ background-color: rgb(93, 199,  
238) }
```

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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