

Converting Colors

$Y_{xy}(49.5791, 0.2674, 0.2966)$

Have a look what the booklet for
Yxy(49.5791, 0.2674, 0.2966)
contains.

Yxy(49.5791, 0.2674, 0.2966)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.5791, 0.2674, 0.2966)

Conversions

Conversions Part 1

Format	Color
Hex	9AC0D9
RGB	154, 192, 217
RGB Percent	60%, 75%, 85%
CMY	0.3962, 0.2470, 0.1489
CMYK	0.29, 0.12, 0.00, 0.15
HSL	204°, 45%, 73%
HSV	204°, 29%, 85%
XYZ	44.6981, 49.5791, 72.8809
YIQ	183.4880, -30.6730, -0.2810

Conversions

Conversions Part 2

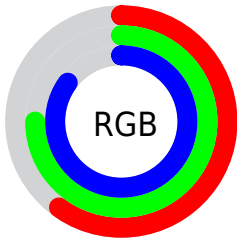
Format	Color
RYB	154, 178, 217
Decimal	10141913
CIELab	75.81, -6.91, -16.66
CIELCh	76, 18.033, 247.472
Yxy	49.5791, 0.2674, 0.2966
Android (android.graphics.Color)	4288331993 (0xFF9AC0D9)
YUV	183.4880, 16.5214, -25.8610
Hunter-Lab	70.4124, -9.9093, -12.0799

Details

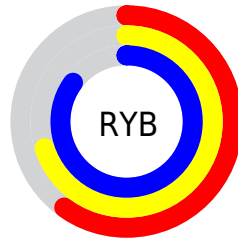
The Yxy color **49.5791, 0.2674, 0.2966** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.3233, 0.3683, 0.3592**, and the grayscale version is **47.5540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0564, 0.2857, 0.3217**, and **23.8406, 0.2556, 0.2885** is the 20% darker color. If you saturate the color by 10%, you get **43.9694, 0.2520, 0.2834**, and if you desaturate by 10%, it is **55.7990, 0.2831, 0.3088**.

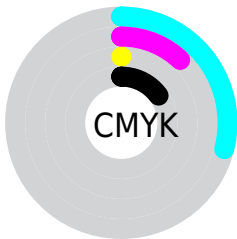
Distribution



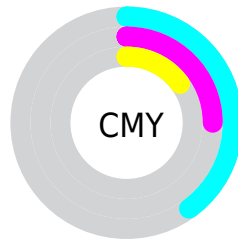
- Red (60%)
- Green (75%)
- Blue (85%)



- Red (60%)
- Yellow (70%)
- Blue (85%)



- Cyan (29%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)



- Cyan (40%)
- Magenta (25%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5791, 0.2674, 0.2966 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 49.5791, 0.2674, 0.2966 by changing the saturation by 10% instead.

■ 49.5791, 0.2674,
0.2966

■ 49.5791, 0.2674,
0.2966

■ 385.0177, 0.2895,
0.3128

■ 35.0791, 0.2621,
0.2926

■ 89.5509, 0.2753,
0.3024

■ 23.7238, 0.2554,
0.2875

■ 115.7915, 0.2783,
0.3047

■ 15.1289, 0.2466,
0.2808

■ 146.7145, 0.2808,
0.3065

■ 8.9099, 0.2348,
0.2715

■ 182.7041, 0.2830,
0.3081

■ 4.6824, 0.2180,
0.2579

■ 224.1449, 0.2850,
0.3095

■ 2.0622, 0.1926,
0.2366

■ 271.4211, 0.2866,

■ 0.6432, 0.1358,

0.3107

0.1973

324.9172, 0.2881,
0.3118

0.0000, 0.0000,
0.0000

49.5791, 0.2674,
0.2966

49.5791, 0.2674,
0.2966

43.9694, 0.2520,
0.2834

55.7990, 0.2831,
0.3088

38.9394, 0.2373,
0.2692

62.6461, 0.2988,
0.3199

34.4645, 0.2237,
0.2544

70.1437, 0.3141,
0.3299

30.5156, 0.2116,
0.2390

78.3122, 0.3290,
0.3388

27.0599, 0.2013,
0.2236

85.7248, 0.3380,
0.3470

■ 24.0591, 0.1933,
0.2083

■ 90.7774, 0.3367,
0.3554

■ 21.4546, 0.1872,
0.1934

■ 96.0720, 0.3355,
0.3635

■ 21.2233, 0.1867,
0.1920

■ 97.7915, 0.3351,
0.3661

Harmonies

Analogous

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



49.5791, 0.2674, 0.3142



49.5791, 0.2674, 0.2966



49.5791, 0.2789, 0.2883

Triad

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



49.5791, 0.2674, 0.2966



49.5791, 0.3471, 0.3199



49.5791, 0.3244, 0.3713

Complementary

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



49.5791, 0.2674, 0.2966



49.3233, 0.3683, 0.3592

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.



49.5791, 0.3466, 0.3712



49.5791, 0.2674, 0.2966



49.5791, 0.3602, 0.3407

Square

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



49.5791, 0.2674, 0.2966



49.5791, 0.3246, 0.3018



49.5791, 0.3600, 0.3596



49.5791, 0.2997, 0.3587

Rectangle

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



49.5791, 0.2674, 0.2966



49.5791, 0.2920, 0.2886



49.5791, 0.3600, 0.3596



49.5791, 0.3324, 0.3728

Sweetspot

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



49.5811, 0.2674, 0.2966



90.2315, 0.2987, 0.3199



59.7289, 0.2938, 0.3799



18.9909, 0.2964, 0.3183



0.0000, 0.0000, 0.0000



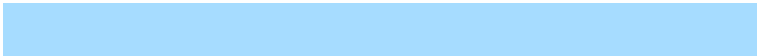
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.5811, 0.2674, 0.2966



66.2710, 0.2577, 0.2884



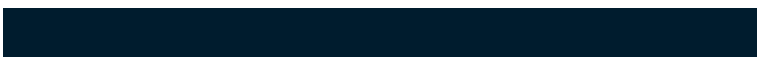
37.4799, 0.2629, 0.2550



13.9174, 0.2982, 0.3195



13.0548, 0.1873, 0.1941



1.0123, 0.1940, 0.2185

Inverse Universe

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



41.6618, 0.3388, 0.2841



53.5872, 0.3463, 0.2741



63.0212, 0.3586, 0.3935



13.1828, 0.3198, 0.3150



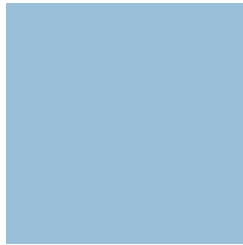
9.9417, 0.4520, 0.2263



0.6609, 0.4249, 0.2114

Previews

White Background



This preview shows how the Yxy color 49.5791, 0.2674, 0.2966 looks on a white background.

Color Contrast Check

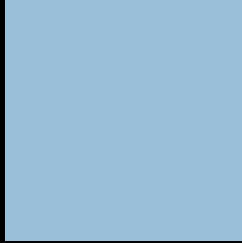
Large Text (above 18pt) WCAG AA × Fail

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 49.5791, 0.2674, 0.2966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

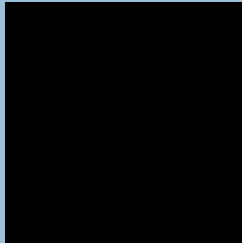
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5791, 0.2674, 0.2966

Background



This preview shows how black text looks on a background with the Yxy color 49.5791, 0.2674, 0.2966.



This preview shows how white text looks on a background with the Yxy color 49.5791, 0.2674, 0.2966.

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

49.5791, 0.2674, 0.2966

Protanopia

49.3965, 0.2902, 0.2955

Deuteranopia

49.3892, 0.2906, 0.2842



Tritanopia

49.4188, 0.2712, 0.3079

Trichromacy



Original Color

49.5791, 0.2674, 0.2966

Protanomaly

49.5921, 0.2815, 0.2962

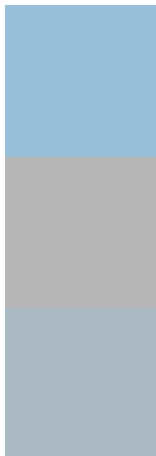
Deuteranomaly

49.4099, 0.2816, 0.2892

Tritanomaly

49.6657, 0.2700, 0.3041

Monochromacy



Original Color

49.5791, 0.2674, 0.2966

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.8286, 0.2946, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5791, 0.2674, 0.2966 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(154, 192, 217)` looks like.

```
.text, #text, p{  
    color:rgb(154, 192, 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(154, 192, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 192, 217) }
```

Border

The CSS property to change the border of an element to Yxy 49.5791, 0.2674, 0.2966 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(154, 192, 217) }
```

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

```
.border{ border-color:rgb(154, 192, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 192, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 192, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 192, 217); box-shadow:4px 4px 4px 4px rgb(154, 192, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5791, 0.2674, 0.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 192, 217) }
```

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

```
.background{ background-color: rgb(154,  
192, 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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