

Converting Colors

$Y_{xy}(46.9290, 0.2529, 0.2952)$

Have a look what the booklet for
Yxy(46.9290, 0.2529, 0.2952)
contains.

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Color

Yxy(46.9653, 0.2529, 0.2952)

Conversions

Conversions Part 1

Format	Color
Hex	82BFD8
RGB	130, 191, 216
RGB Percent	51%, 75%, 85%
CMY	0.4900, 0.2510, 0.1530
CMYK	0.40, 0.12, 0.00, 0.15
HSL	197°, 52%, 68%
HSV	197°, 40%, 85%
XYZ	40.2355, 46.9653, 71.8957
YIQ	175.6110, -44.3810, -5.1570

Conversions

Conversions Part 2

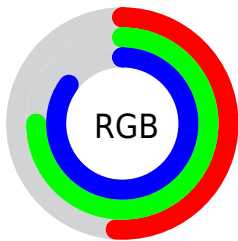
Format	Color
RYB	130, 166, 216
Decimal	8568792
CIELab	74.17, -13.22, -18.70
CIElCh	74, 22.902, 234.727
Yxy	46.9653, 0.2529, 0.2952
Android (android.graphics.Color)	4286758872 (0xFF82BFD8)
YUV	175.6110, 19.9118, -40.0008
Hunter-Lab	68.5312, -15.1302, -14.2289

Details

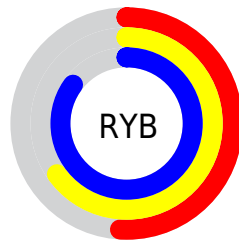
The Yxy color **46.9653, 0.2529, 0.2952** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.6663, 0.3999, 0.3599**, and the grayscale version is **43.1216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1806, 0.2723, 0.3203**, and **22.2460, 0.2371, 0.2863** is the 20% darker color. If you saturate the color by 10%, you get **42.7530, 0.2395, 0.2850**, and if you desaturate by 10%, it is **51.6572, 0.2673, 0.3048**.

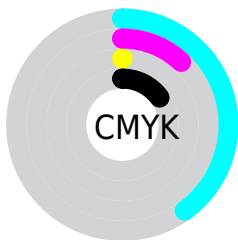
Distribution



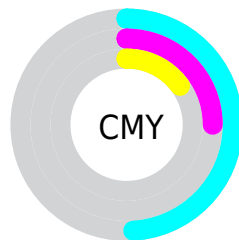
- Red (51%)
- Green (75%)
- Blue (85%)



- Red (51%)
- Yellow (65%)
- Blue (85%)



- Cyan (40%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)





- Cyan (49%)
- Magenta (25%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9653, 0.2529, 0.2952 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 46.9653, 0.2529, 0.2952 by changing the saturation by 10% instead.


 46.9653, 0.2529,
0.2952


 46.9653, 0.2529,
0.2952


374.6760, 0.2821,
0.3125

 33.0082, 0.2459,
0.2908


 85.6618, 0.2633,
0.3015

 22.1327, 0.2370,
0.2852


 111.1701, 0.2673,
0.3039

 13.9545, 0.2255,
0.2776


 141.2975, 0.2707,
0.3059

 8.0890, 0.2100,
0.2670

176.4285, 0.2736,
0.3076

 4.1520, 0.1882,
0.2513

216.9474, 0.2761,
0.3091

 1.7589, 0.1557,
0.2260

263.2387, 0.2783,

 0.4614, 0.0435,

0.3103

0.1736

315.6868, 0.2803,
0.3115

0.0000, 0.0000,
0.0000

46.9653, 0.2529,
0.2952

46.9653, 0.2529,
0.2952

42.7530, 0.2395,
0.2850

51.6572, 0.2673,
0.3048

38.9908, 0.2275,
0.2744

56.8453, 0.2823,
0.3136

35.6538, 0.2171,
0.2635

62.5519, 0.2977,
0.3218

32.7119, 0.2086,
0.2524

68.7962, 0.3131,
0.3292

30.1294, 0.2021,
0.2414

75.5963, 0.3282,
0.3358

■ 27.8453, 0.1974,
0.2306

■ 82.0771, 0.3397,
0.3418

■ 27.7973, 0.1973,
0.2304

■ 85.6092, 0.3387,
0.3480

■ 89.2684, 0.3378,
0.3541

■ 93.0557, 0.3368,
0.3601

Harmonies

Analogous

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



46.9653, 0.2592, 0.3217



46.9653, 0.2529, 0.2952



46.9653, 0.2614, 0.2796

Triad

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



46.9653, 0.2529, 0.2952



46.9653, 0.3458, 0.3066



46.9653, 0.3406, 0.3862

Complementary

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



46.9653, 0.2529, 0.2952



39.6663, 0.3999, 0.3599

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.



46.9653, 0.3656, 0.3784



46.9653, 0.2529, 0.2952



46.9653, 0.3691, 0.3321

Square

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



46.9653, 0.2529, 0.2952



46.9653, 0.3140, 0.2869



46.9653, 0.3764, 0.3581



46.9653, 0.3089, 0.3768

Rectangle

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



46.9653, 0.2529, 0.2952



46.9653, 0.2747, 0.2764



46.9653, 0.3764, 0.3581



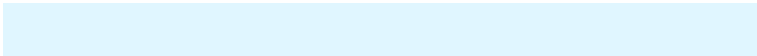
46.9653, 0.3501, 0.3854

Sweetspot

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



46.9671, 0.2529, 0.2952



89.1050, 0.2941, 0.3200



56.1984, 0.2928, 0.4152



18.8332, 0.2921, 0.3189



0.0000, 0.0000, 0.0000



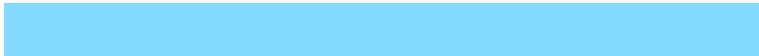
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9671, 0.2529, 0.2952



63.0505, 0.2412, 0.2864



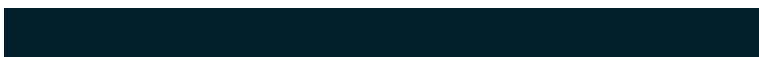
31.0997, 0.2435, 0.2344



13.4694, 0.2982, 0.3221



16.6507, 0.1978, 0.2320



1.1437, 0.2030, 0.2508

Inverse Universe

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



34.3383, 0.3422, 0.2571



43.0617, 0.3510, 0.2422



56.3070, 0.3798, 0.4082



12.5683, 0.3182, 0.3126



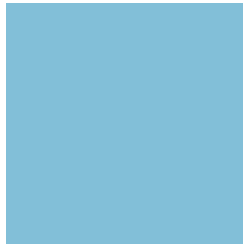
10.0257, 0.4105, 0.2035



0.6188, 0.3915, 0.1930

Previews

White Background



This preview shows how the Yxy color 46.9653, 0.2529, 0.2952 looks on a white background.

Color Contrast Check

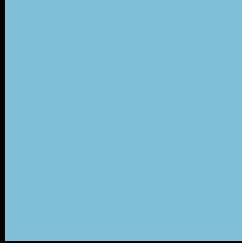
Large Text (above 18pt) WCAG AA × Fail

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 46.9653, 0.2529, 0.2952 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 46.9653, 0.2529, 0.2952

Background



This preview shows how black text looks on a background with the Yxy color 46.9653, 0.2529, 0.2952.



This preview shows how white text looks on a background with the Yxy color 46.9653, 0.2529, 0.2952.

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

46.9653, 0.2529, 0.2952

Protanopia

46.5931, 0.2883, 0.2922

Deuteranopia

46.7790, 0.2842, 0.2783



Tritanopia

46.8425, 0.2564, 0.3069

Trichromacy



Original Color

46.9653, 0.2529, 0.2952

Protanomaly

46.5080, 0.2737, 0.2925

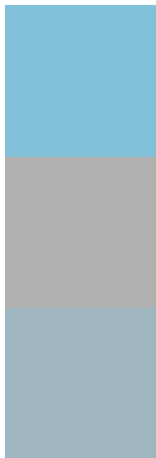
Deuteranomaly

46.6103, 0.2711, 0.2841

Tritanomaly

47.0695, 0.2553, 0.3030

Monochromacy



Original Color

46.9653, 0.2529, 0.2952

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.1803, 0.2871, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9653, 0.2529, 0.2952 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(130, 191, 216)` looks like.

```
.text, #text, p{  
    color:rgb(130, 191, 216)  
}
```

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(130, 191, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 191, 216) }
```

Border

The CSS property to change the border of an element to Yxy 46.9653, 0.2529, 0.2952 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(130, 191, 216) }
```

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

```
.border{ border-color:rgb(130, 191, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 191, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 191, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 191, 216);  
box-shadow:4px 4px 4px 4px rgb(130, 191,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9653, 0.2529, 0.2952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 191, 216) }
```

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

```
.background{ background-color: rgb(130,  
191, 216) }
```

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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