

Converting Colors

$Y_{xy}(47.4069, 0.2527, 0.2837)$

Have a look what the booklet for
Yxy(47.4069, 0.2527, 0.2837)
contains.

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Color

Yxy(47.6120, 0.2529, 0.2844)

Conversions

Conversions Part 1

Format	Color
Hex	8ABEE0
RGB	138, 190, 224
RGB Percent	54%, 75%, 88%
CMY	0.4591, 0.2548, 0.1217
CMYK	0.38, 0.15, 0.00, 0.12
HSL	204°, 58%, 71%
HSV	204°, 38%, 88%
XYZ	42.3385, 47.6120, 77.4616
YIQ	178.3280, -41.9060, -0.4500

Conversions

Conversions Part 2

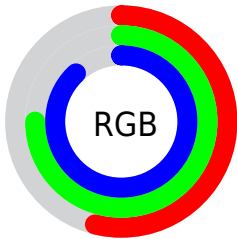
Format	Color
R_{YB}	138, 170, 224
Decimal	9092832
CIE _{Lab}	74.58, -8.57, -22.37
CIE _{LCh}	75, 23.955, 249.036
Yxy	47.6120, 0.2529, 0.2844
Android (android.graphics.Color)	4287282912 (0xFF8ABEE0)
YUV	178.3280, 22.5163, -35.3677
Hunter-Lab	69.0014, -11.2269, -18.2584

Details

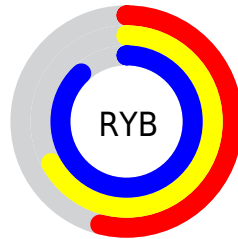
The Yxy color **47.6120, 0.2529, 0.2844** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.1419, 0.3920, 0.3692**, and the grayscale version is **44.5927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6009, 0.2765, 0.3193**, and **22.6407, 0.2373, 0.2719** is the 20% darker color. If you saturate the color by 10%, you get **42.1830, 0.2381, 0.2704**, and if you desaturate by 10%, it is **53.6708, 0.2683, 0.2975**.

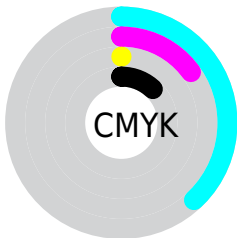
Distribution



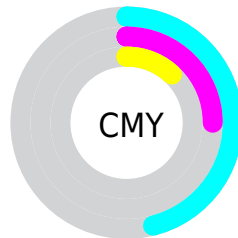
- Red (54%)
- Green (75%)
- Blue (88%)



- Red (54%)
- Yellow (67%)
- Blue (88%)



- Cyan (38%)
- Magenta (15%)
- Yellow (0%)
- Black (12%)



- Cyan (46%)
- Magenta (25%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6120, 0.2529, 0.2844 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 47.6120, 0.2529, 0.2844 by changing the saturation by 10% instead.

■ 47.6120, 0.2529,
0.2844

■ 47.6120, 0.2529,
0.2844

■ 377.2521, 0.2820,
0.3067

■ 33.5197, 0.2459,
0.2789

■ 86.6264, 0.2633,
0.2925

■ 22.5249, 0.2371,
0.2718

■ 112.3174, 0.2672,
0.2955

■ 14.2431, 0.2258,
0.2625

■ 142.6433, 0.2706,
0.2981

■ 8.2899, 0.2105,
0.2498

■ 177.9887, 0.2735,
0.3003

■ 4.2810, 0.1892,
0.2315

■ 218.7379, 0.2760,
0.3022

■ 1.8320, 0.1578,
0.2031

■ 265.2752, 0.2783,

■ 0.5070, 0.0798,

0.3039

0.1485

317.9852, 0.2803,
0.3054

0.0000, 0.0000,
0.0000

47.6120, 0.2529,
0.2844

47.6120, 0.2529,
0.2844

42.1830, 0.2381,
0.2704

53.6708, 0.2683,
0.2975

37.3497, 0.2244,
0.2556

60.3802, 0.2841,
0.3096

33.0828, 0.2123,
0.2403

67.7665, 0.2998,
0.3206

29.3472, 0.2020,
0.2249

75.8528, 0.3151,
0.3305

26.1020, 0.1938,
0.2097

84.6609, 0.3300,
0.3393

■ 23.2893, 0.1877,
0.1948

■ 90.7763, 0.3324,
0.3478

■ 22.8703, 0.1868,
0.1925

■ 96.1970, 0.3313,
0.3563

■ 98.1605, 0.3310,
0.3592

Harmonies

Analogous

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



47.6120, 0.2521, 0.3070



47.6120, 0.2529, 0.2844



47.6120, 0.2687, 0.2747

Triad

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



47.6120, 0.2529, 0.2844



47.6120, 0.3604, 0.3179



47.6120, 0.3262, 0.3863

Complementary

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



47.6120, 0.2529, 0.2844



47.1419, 0.3920, 0.3692

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.



47.6120, 0.3567, 0.3863



47.6120, 0.2529, 0.2844



47.6120, 0.3774, 0.3453

Square

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



47.6120, 0.2529, 0.2844



47.6120, 0.3303, 0.2940



47.6120, 0.3758, 0.3705



47.6120, 0.2932, 0.3683

Rectangle

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



47.6120, 0.2529, 0.2844



47.6120, 0.2862, 0.2758



47.6120, 0.3758, 0.3705



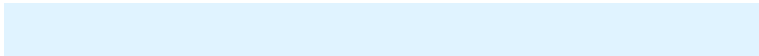
47.6120, 0.3371, 0.3884

Sweetspot

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



47.6138, 0.2529, 0.2844



87.1864, 0.2940, 0.3167



61.6336, 0.2885, 0.3999



18.3806, 0.2920, 0.3153



0.0000, 0.0000, 0.0000



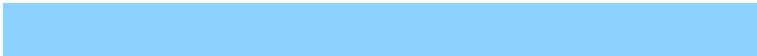
21.4041, 0.3127, 0.3290

Same Dimension

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



47.6138, 0.2529, 0.2844



58.0539, 0.2411, 0.2734



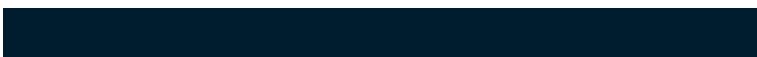
31.9510, 0.2442, 0.2261



14.6169, 0.2981, 0.3195



13.5455, 0.1874, 0.1947



1.1120, 0.1938, 0.2176

Inverse Universe

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



37.7214, 0.3502, 0.2690



43.9398, 0.3610, 0.2569



65.7385, 0.3740, 0.4143



13.8392, 0.3198, 0.3149



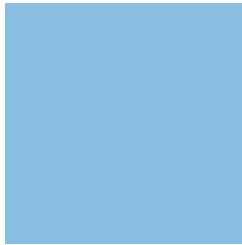
10.2755, 0.4513, 0.2260



0.7297, 0.4258, 0.2119

Previews

White Background



This preview shows how the Yxy color 47.6120, 0.2529, 0.2844 looks on a white background.

Color Contrast Check

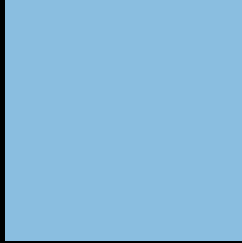
Large Text (above 18pt) WCAG AA × Fail

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 47.6120, 0.2529, 0.2844 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 47.6120, 0.2529, 0.2844

Background



This preview shows how black text looks on a background with the Yxy color 47.6120, 0.2529, 0.2844.



This preview shows how white text looks on a background with the Yxy color 47.6120, 0.2529, 0.2844.

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

47.6120, 0.2529, 0.2844

Protanopia

47.2237, 0.2805, 0.2827

Deuteranopia

47.3149, 0.2779, 0.2715



Tritanopia

47.7623, 0.2602, 0.3085

Trichromacy



Original Color

47.6120, 0.2529, 0.2844

Protanomaly

47.1297, 0.2700, 0.2830

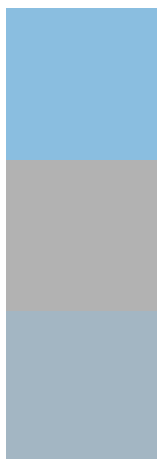
Deuteranomaly

47.1957, 0.2681, 0.2761

Tritanomaly

47.7052, 0.2572, 0.2994

Monochromacy



Original Color

47.6120, 0.2529, 0.2844

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.1826, 0.2874, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6120, 0.2529, 0.2844 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(138, 190, 224)` looks like.

```
.text, #text, p{  
    color:rgb(138, 190, 224)  
}
```

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(138, 190, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 190, 224) }
```

Border

The CSS property to change the border of an element to Yxy 47.6120, 0.2529, 0.2844 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(138, 190, 224) }
```

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

```
.border{ border-color:rgb(138, 190, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 190, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 190, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 190, 224);  
box-shadow:4px 4px 4px 4px rgb(138, 190,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6120, 0.2529, 0.2844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 190, 224) }
```

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

```
.background{ background-color: rgb(138,  
190, 224) }
```

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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