

Converting Colors

$Yxy(52.6747, 0.2690, 0.3071)$

Have a look what the booklet for
Yxy(52.6747, 0.2690, 0.3071)
contains.

Yxy(52.6747, 0.2690, 0.3071)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.6747, 0.2690, 0.3071)

Conversions

Conversions Part 1

Format	Color
Hex	9AC7D8
RGB	154, 199, 216
RGB Percent	60%, 78%, 85%
CMY	0.3962, 0.2196, 0.1529
CMYK	0.29, 0.08, 0.00, 0.15
HSL	196°, 44%, 73%
HSV	196°, 29%, 85%
XYZ	46.1397, 52.6747, 72.7086
YIQ	187.4830, -32.2770, -4.2530

Conversions

Conversions Part 2

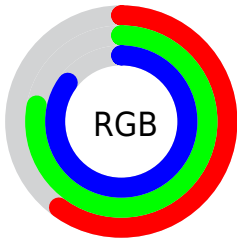
Format	Color
RYB	154, 180, 216
Decimal	10143704
CIELab	77.68, -10.84, -13.29
CIElCh	78, 17.153, 230.789
Yxy	52.6747, 0.2690, 0.3071
Android (android.graphics.Color)	4288333784 (0xFF9AC7D8)
YUV	187.4830, 14.0589, -29.3646
Hunter-Lab	72.5773, -13.5323, -8.5931

Details

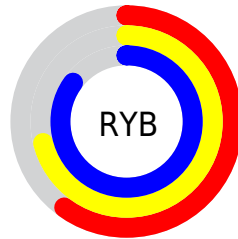
The Yxy color **52.6747, 0.2690, 0.3071** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.0438, 0.3700, 0.3498**, and the grayscale version is **49.9109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **25.5907, 0.2579, 0.3010** is the 20% darker color. If you saturate the color by 10%, you get **48.0742, 0.2547, 0.2982**, and if you desaturate by 10%, it is **57.7667, 0.2840, 0.3154**.

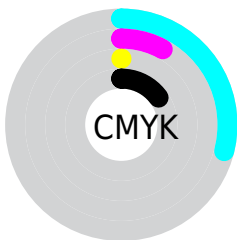
Distribution



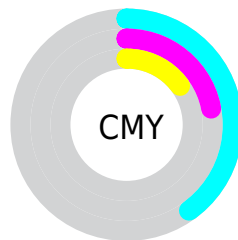
- Red (60%)
- Green (78%)
- Blue (85%)



- Red (60%)
- Yellow (71%)
- Blue (85%)



- Cyan (29%)
- Magenta (8%)
- Yellow (0%)
- Black (15%)



- Cyan (40%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.6747, 0.2690, 0.3071 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 52.6747, 0.2690, 0.3071 by changing the saturation by 10% instead.


 52.6747, 0.2690,
0.3071


 52.6747, 0.2690,
0.3071


397.0358, 0.2901,
0.3181

 37.5431, 0.2640,
0.3044


 94.1255, 0.2765,
0.3111

 25.6283, 0.2576,
0.3008


 121.2136, 0.2793,
0.3126

 16.5458, 0.2495,
0.2962


153.0559, 0.2818,
0.3139

 9.9112, 0.2385,
0.2897

190.0370, 0.2839,
0.3150

 5.3401, 0.2229,
0.2802

232.5411, 0.2857,
0.3159

 2.4482, 0.1995,
0.2650

280.9527, 0.2874,

 0.8505, 0.1531,

0.3167

0.2394

335.6561, 0.2888,
0.3175

0.0000, 0.0000,
0.0000

52.6747, 0.2690,
0.3071

52.6747, 0.2690,
0.3071

48.0742, 0.2547,
0.2982

57.7667, 0.2840,
0.3154

43.9373, 0.2413,
0.2887

63.3639, 0.2993,
0.3230

40.2424, 0.2294,
0.2788

69.4873, 0.3147,
0.3298

36.9634, 0.2190,
0.2686

76.1548, 0.3298,
0.3360

34.0708, 0.2106,
0.2582

82.0376, 0.3396,
0.3417

■ 31.5300, 0.2042,
0.2479

■ 85.3613, 0.3387,
0.3475

■ 29.2882, 0.1996,
0.2377

■ 88.7977, 0.3379,
0.3533

■ 29.0148, 0.1990,
0.2364

■ 92.3478, 0.3370,
0.3589

■ 96.0127, 0.3361,
0.3645

Harmonies

Analogous

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



52.6747, 0.2752, 0.3270



52.6747, 0.2690, 0.3071



52.6747, 0.2739, 0.2942

Triad

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



52.6747, 0.2690, 0.3071



52.6747, 0.3338, 0.3105



52.6747, 0.3359, 0.3699

Complementary

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



52.6747, 0.2690, 0.3071



46.0438, 0.3700, 0.3498

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.



52.6747, 0.3526, 0.3635



52.6747, 0.2690, 0.3071



52.6747, 0.3516, 0.3291

Square

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



52.6747, 0.2690, 0.3071



52.6747, 0.3108, 0.2967



52.6747, 0.3585, 0.3483



52.6747, 0.3133, 0.3645

Rectangle

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



52.6747, 0.2690, 0.3071



52.6747, 0.2830, 0.2907



52.6747, 0.3585, 0.3483



52.6747, 0.3424, 0.3690

Sweetspot

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



52.6768, 0.2690, 0.3071



91.9578, 0.2987, 0.3227



58.9057, 0.2985, 0.3892



19.4173, 0.2965, 0.3216



0.0000, 0.0000, 0.0000



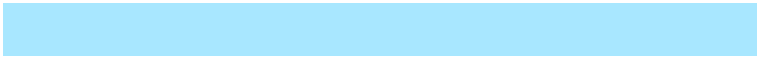
21.4041, 0.3127, 0.3290

Same Dimension

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



52.6768, 0.2690, 0.3071



72.8675, 0.2609, 0.3022



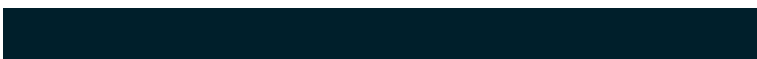
39.9925, 0.2646, 0.2659



13.5057, 0.2982, 0.3225



17.3601, 0.1994, 0.2380



1.1819, 0.2043, 0.2556

Inverse Universe

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



41.8231, 0.3313, 0.2761



55.1596, 0.3359, 0.2656



58.9551, 0.3602, 0.3850



12.5719, 0.3179, 0.3122



10.0974, 0.4044, 0.2001



0.6226, 0.3867, 0.1904

Previews

White Background



This preview shows how the Yxy color 52.6747, 0.2690, 0.3071 looks on a white background.

Color Contrast Check

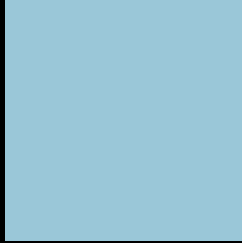
Large Text (above 18pt) WCAG AA × Fail

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 52.6747, 0.2690, 0.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

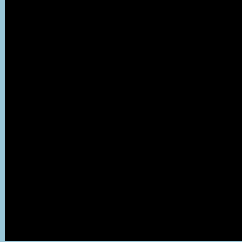
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

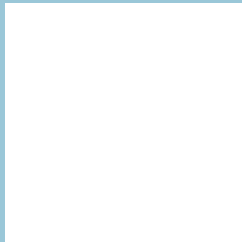
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.6747, 0.2690, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 52.6747, 0.2690, 0.3071.



This preview shows how white text looks on a background with the Yxy color 52.6747, 0.2690, 0.3071.

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

52.6747, 0.2690, 0.3071

Protanopia

52.2989, 0.2972, 0.3046

Deuteranopia

52.5254, 0.2970, 0.2911



Tritanopia

52.6232, 0.2696, 0.3083

Trichromacy



Original Color

52.6747, 0.2690, 0.3071

Protanomaly

52.1235, 0.2861, 0.3053

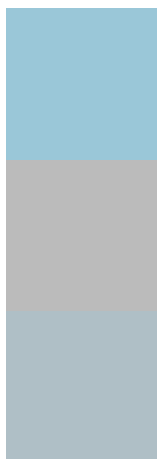
Deuteranomaly

52.1473, 0.2857, 0.2959

Tritanomaly

52.6232, 0.2696, 0.3083

Monochromacy



Original Color

52.6747, 0.2690, 0.3071

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.4528, 0.2949, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6747, 0.2690, 0.3071 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, 199, 216)` looks like.

```
.text, #text, p{  
    color:rgb(154, 199, 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(154, 199, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 199, 216) }
```

Border

The CSS property to change the border of an element to Yxy 52.6747, 0.2690, 0.3071 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, 199, 216) }
```

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

```
.border{ border-color:rgb(154, 199, 216) }
```

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

Here you see how a box with a 4 pixel rgb(154, 199, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 199, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 199, 216);  
box-shadow:4px 4px 4px 4px rgb(154, 199,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6747, 0.2690, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 199, 216) }
```

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

```
.background{ background-color: rgb(154,  
199, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor