

Converting Colors

$Yxy(46.8392, 0.2720, 0.3047)$

Have a look what the booklet for
Yxy(46.8392, 0.2720, 0.3047)
contains.

Yxy(47.0020, 0.2717, 0.3049)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.0020, 0.2717, 0.3049)

Conversions

Conversions Part 1

Format	Color
Hex	97BCCE
RGB	151, 188, 206
RGB Percent	59%, 74%, 81%
CMY	0.4080, 0.2627, 0.1921
CMYK	0.27, 0.09, 0.00, 0.19
HSL	200°, 36%, 70%
HSV	200°, 27%, 81%
XYZ	41.8840, 47.0020, 65.2694
YIQ	178.9890, -27.8300, -2.2460

Conversions

Conversions Part 2

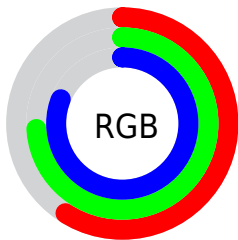
Format	Color
RYB	151, 173, 206
Decimal	9944270
CIELab	74.19, -8.27, -13.13
CIElCh	74, 15.518, 237.809
Yxy	47.0020, 0.2717, 0.3049
Android (android.graphics.Color)	4288134350 (0xFF97BCCE)
YUV	178.9890, 13.3164, -24.5464
Hunter-Lab	68.5580, -10.9258, -8.4554

Details

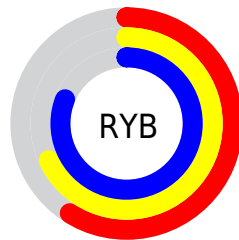
The Yxy color **47.0020, 0.2717, 0.3049** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.7284, 0.3639, 0.3519**, and the grayscale version is **45.0107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0432, 0.2831, 0.3174**, and **22.2476, 0.2607, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **42.3889, 0.2568, 0.2943**, and if you desaturate by 10%, it is **52.0978, 0.2870, 0.3146**.

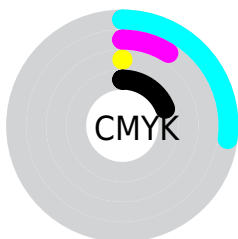
Distribution



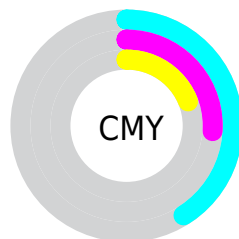
- Red (59%)
- Green (74%)
- Blue (81%)



- Red (59%)
- Yellow (68%)
- Blue (81%)



- Cyan (27%)
- Magenta (9%)
- Yellow (0%)
- Black (19%)



- Cyan (41%)
- Magenta (26%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0020, 0.2717, 0.3049 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 47.0020, 0.2717, 0.3049 by changing the saturation by 10% instead.

■ 47.0020, 0.2717,
0.3049

■ 47.0020, 0.2717,
0.3049

■ 374.8225, 0.2919,
0.3171

■ 33.0372, 0.2668,
0.3018

■ 85.7166, 0.2790,
0.3094

■ 22.1550, 0.2605,
0.2978

■ 111.2352, 0.2817,
0.3110

■ 13.9708, 0.2522,
0.2925

■ 141.3740, 0.2840,
0.3125

■ 8.1004, 0.2410,
0.2850

■ 176.5171, 0.2861,
0.3137

■ 4.1592, 0.2247,
0.2737

■ 217.0492, 0.2878,
0.3147

■ 1.7630, 0.1992,
0.2552

■ 263.3545, 0.2893,

■ 0.4640, 0.1086,

0.3156

0.2106

315.8175, 0.2907,
0.3164

0.0000, 0.0000,
0.0000

47.0020, 0.2717,
0.3049

47.0020, 0.2717,
0.3049

42.3889, 0.2568,
0.2943

52.0978, 0.2870,
0.3146

38.2331, 0.2427,
0.2831

57.6892, 0.3024,
0.3235

34.5152, 0.2297,
0.2712

63.7951, 0.3177,
0.3315

31.2116, 0.2183,
0.2589

70.4321, 0.3326,
0.3387

28.2959, 0.2086,
0.2463

77.6156, 0.3470,
0.3450

■ 25.7376, 0.2010,
0.2338

■ 81.4548, 0.3465,
0.3517

■ 23.4976, 0.1954,
0.2215

■ 85.2464, 0.3453,
0.3583

■ 22.8094, 0.1938,
0.2175

■ 89.1843, 0.3441,
0.3648

■ 93.2701, 0.3429,
0.3712

Harmonies

Analogous

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



47.0020, 0.2751, 0.3224



47.0020, 0.2717, 0.3049



47.0020, 0.2787, 0.2946

Triad

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



47.0020, 0.2717, 0.3049



47.0020, 0.3371, 0.3154



47.0020, 0.3298, 0.3672

Complementary

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



47.0020, 0.2717, 0.3049



43.7284, 0.3639, 0.3519

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.



47.0020, 0.3473, 0.3637



47.0020, 0.2717, 0.3049



47.0020, 0.3518, 0.3335

Square

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



47.0020, 0.2717, 0.3049



47.0020, 0.3161, 0.3010



47.0020, 0.3555, 0.3511



47.0020, 0.3082, 0.3595

Rectangle

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



47.0020, 0.2717, 0.3049



47.0020, 0.2886, 0.2928



47.0020, 0.3555, 0.3511



47.0020, 0.3364, 0.3672

Sweetspot

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



47.0039, 0.2717, 0.3049



92.1490, 0.3003, 0.3224



53.5713, 0.2977, 0.3803



19.4207, 0.2980, 0.3210



0.0000, 0.0000, 0.0000



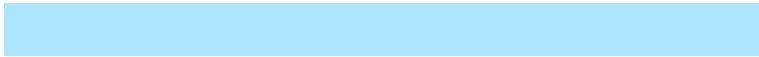
21.4041, 0.3127, 0.3290

Same Dimension

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



47.0039, 0.2717, 0.3049



71.8018, 0.2632, 0.2990



36.5463, 0.2681, 0.2673



12.0842, 0.2983, 0.3212



14.2257, 0.1943, 0.2193



0.8686, 0.2009, 0.2433

Inverse Universe

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



38.8803, 0.3324, 0.2835



56.9189, 0.3378, 0.2735



54.8057, 0.3557, 0.3839



11.3389, 0.3187, 0.3135



9.2391, 0.4240, 0.2109



0.4902, 0.3990, 0.1972

Previews

White Background



This preview shows how the Yxy color 47.0020, 0.2717, 0.3049 looks on a white background.

Color Contrast Check

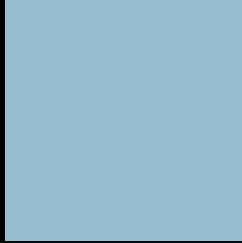
Large Text (above 18pt) WCAG AA × Fail

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 47.0020, 0.2717, 0.3049 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

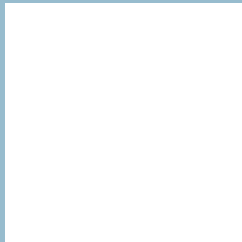
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0020, 0.2717, 0.3049

Background



This preview shows how black text looks on a background with the Yxy color 47.0020, 0.2717, 0.3049.



This preview shows how white text looks on a background with the Yxy color 47.0020, 0.2717, 0.3049.

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

47.0020, 0.2717, 0.3049

Protanopia

46.8485, 0.2957, 0.3034

Deuteranopia

46.5631, 0.2969, 0.2904



Tritanopia

46.7623, 0.2730, 0.3088

Trichromacy



Original Color

47.0020, 0.2717, 0.3049

Protanomaly

47.0278, 0.2865, 0.3043

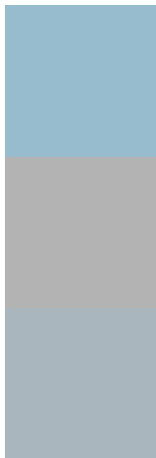
Deuteranomaly

46.5514, 0.2874, 0.2957

Tritanomaly

46.8101, 0.2723, 0.3075

Monochromacy



Original Color

47.0020, 0.2717, 0.3049

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.5650, 0.2966, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0020, 0.2717, 0.3049 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(151, 188, 206)` looks like.

```
.text, #text, p{  
    color:rgb(151, 188, 206)  
}
```

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(151, 188, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 188, 206) }
```

Border

The CSS property to change the border of an element to Yxy 47.0020, 0.2717, 0.3049 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(151, 188, 206) }
```

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

```
.border{ border-color:rgb(151, 188, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 188, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 188, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 188, 206);  
box-shadow:4px 4px 4px 4px rgb(151, 188,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0020, 0.2717, 0.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 188, 206) }
```

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

```
.background{ background-color: rgb(151,  
188, 206) }
```

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