

Converting Colors

$Y_{xy}(45.9284, 0.3065, 0.3271)$

Have a look what the booklet for
Yxy(45.9284, 0.3065, 0.3271)
contains.

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Color

Yxy(46.1049, 0.3069, 0.3277)

Conversions

Conversions Part 1

Format	Color
Hex	B0B6B7
RGB	176, 182, 183
RGB Percent	69%, 71%, 72%
CMY	0.3098, 0.2863, 0.2824
CMYK	0.04, 0.01, 0.00, 0.28
HSL	188°, 5%, 70%
HSV	188°, 4%, 72%
XYZ	43.1785, 46.1049, 51.4090
YIQ	180.3200, -3.8970, -0.9610

Conversions

Conversions Part 2

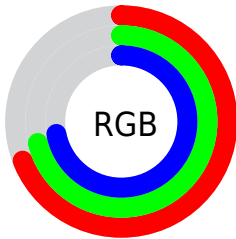
Format	Color
RYB	176, 179, 183
Decimal	11581111
CIELab	73.61, -1.90, -1.23
CIElCh	74, 2.262, 212.947
Yxy	46.1049, 0.3069, 0.3277
Android (android.graphics.Color)	4289771191 (0xFFB0B6B7)
YUV	180.3200, 1.3212, -3.7886
Hunter-Lab	67.9006, -5.3165, 2.6407

Details

The Yxy color $46.1049, 0.3069, 0.3277$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $44.6344, 0.3188, 0.3303$, and the grayscale version is $45.8177, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.5369, 0.3082, 0.3280$, and $21.5973, 0.3059, 0.3272$ is the 20% darker color. If you saturate the color by 10%, you get $43.0816, 0.2919, 0.3241$, and if you desaturate by 10%, it is $49.4386, 0.3222, 0.3310$.

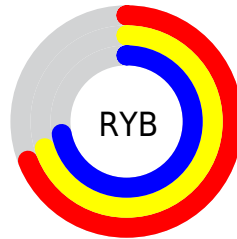
Distribution



Red (69%)

Green (71%)

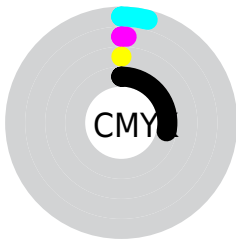
Blue (72%)



Red (69%)

Yellow (70%)

Blue (72%)

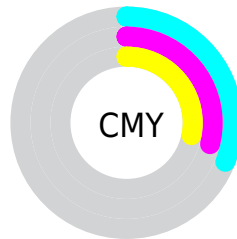


Cyan (4%)

Magenta (1%)

Yellow (0%)

Black (28%)



Cyan (31%)

Magenta (29%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1049, 0.3069, 0.3277 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 46.1049, 0.3069, 0.3277 by changing the saturation by 10% instead.

■ 46.1049, 0.3069,
0.3277

■ 46.1049, 0.3069,
0.3277

371.2302, 0.3098,
0.3284

■ 32.3286, 0.3062,
0.3275

■ 84.3760, 0.3080,
0.3279

■ 21.6126, 0.3052,
0.3273

109.6395, 0.3084,
0.3280

■ 13.5725, 0.3040,
0.3270

139.5010, 0.3087,
0.3281

■ 7.8240, 0.3022,
0.3266

174.3447, 0.3090,
0.3282

■ 3.9825, 0.2996,
0.3260

214.5551, 0.3092,
0.3282

■ 1.6638, 0.2952,
0.3249

260.5165, 0.3095,

■ 0.4000, 0.2659,

0.3283

0.3186

312.6135, 0.3096,
0.3283

0.0000, 0.0000,
0.0000

46.1049, 0.3069,
0.3277

46.1049, 0.3069,
0.3277

43.0816, 0.2919,
0.3241

49.4386, 0.3222,
0.3310

40.3513, 0.2774,
0.3201

53.0877, 0.3376,
0.3340

37.9037, 0.2638,
0.3159

57.0645, 0.3528,
0.3366

35.7256, 0.2513,
0.3114

61.3788, 0.3677,
0.3390

33.8026, 0.2403,
0.3067

63.5927, 0.3718,
0.3414

■ 32.1191, 0.2310,
0.3019

■ 64.7420, 0.3710,
0.3441

■ 30.6575, 0.2235,
0.2970

■ 65.9109, 0.3703,
0.3467

■ 29.3975, 0.2179,
0.2921

■ 67.0995, 0.3696,
0.3493

■ 28.3147, 0.2141,
0.2873

■ 68.3079, 0.3689,
0.3519

Harmonies

Analogous

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



46.1049, 0.3087, 0.3306



46.1049, 0.3069, 0.3277



46.1049, 0.3066, 0.3252

Triad

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



46.1049, 0.3069, 0.3277



46.1049, 0.3138, 0.3251



46.1049, 0.3174, 0.3343

Complementary

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



46.1049, 0.3069, 0.3277



44.6344, 0.3188, 0.3303

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.



46.1049, 0.3188, 0.3328



46.1049, 0.3069, 0.3277



46.1049, 0.3168, 0.3275

Square

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



46.1049, 0.3069, 0.3277



46.1049, 0.3106, 0.3237



46.1049, 0.3186, 0.3303



46.1049, 0.3148, 0.3344

Rectangle

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



46.1049, 0.3069, 0.3277



46.1049, 0.3074, 0.3241



46.1049, 0.3186, 0.3303



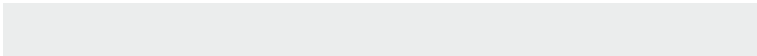
46.1049, 0.3181, 0.3339

Sweetspot

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



46.1069, 0.3069, 0.3277



84.2118, 0.3112, 0.3287



46.2595, 0.3116, 0.3370



18.6066, 0.3112, 0.3287



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



46.1069, 0.3069, 0.3277



81.8807, 0.3050, 0.3273



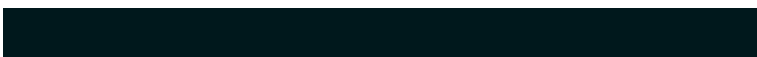
44.7138, 0.3070, 0.3231



10.2494, 0.3042, 0.3271



19.4061, 0.2125, 0.2849



0.7433, 0.2159, 0.2973

Inverse Universe

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



44.4953, 0.3139, 0.3212



78.0661, 0.3144, 0.3185



46.0116, 0.3185, 0.3348



9.7232, 0.3145, 0.3174



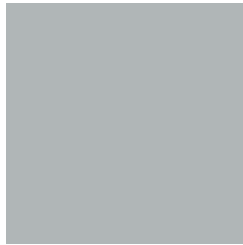
8.7414, 0.3590, 0.1751



0.3141, 0.3478, 0.1689

Previews

White Background



This preview shows how the Yxy color 46.1049, 0.3069, 0.3277 looks on a white background.

Color Contrast Check

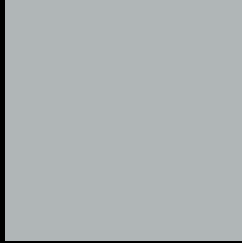
Large Text (above 18pt) WCAG AA × Fail

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 46.1049, 0.3069, 0.3277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

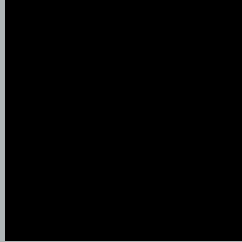
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

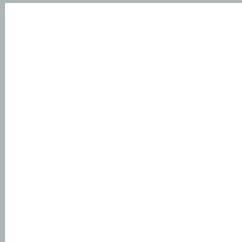
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1049, 0.3069, 0.3277

Background



This preview shows how black text looks on a background with the Yxy color 46.1049, 0.3069, 0.3277.



This preview shows how white text looks on a background with the Yxy color 46.1049, 0.3069, 0.3277.

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

46.1049, 0.3069, 0.3277

Protanopia

46.0872, 0.3137, 0.3264

Deuteranopia

45.8564, 0.3239, 0.3177



Tritanopia

46.0025, 0.3001, 0.3108

Trichromacy



Original Color

46.1049, 0.3069, 0.3277

Protanomaly

46.1284, 0.3111, 0.3277

Deuteranomaly

46.1203, 0.3174, 0.3213

Tritanomaly

46.1126, 0.3023, 0.3172

Monochromacy



Original Color

46.1049, 0.3069, 0.3277

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.9676, 0.3110, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1049, 0.3069, 0.3277 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(176, 182, 183)` looks like.

```
.text, #text, p{  
    color:rgb(176, 182, 183)  
}
```

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(176, 182, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 182, 183) }
```

Border

The CSS property to change the border of an element to Yxy 46.1049, 0.3069, 0.3277 is called "border". The border property can be set on classes, ids or directly on the HTML element.

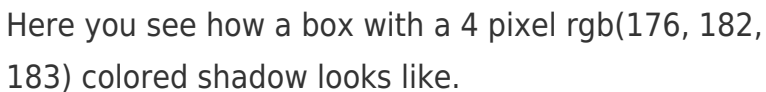
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 182, 183) }
```

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

```
.border{ border-color:rgb(176, 182, 183) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 182, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 182, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 182, 183); box-shadow:4px 4px 4px 4px rgb(176, 182, 183) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1049, 0.3069, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 182, 183) }
```

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

```
.background{ background-color: rgb(176,  
182, 183) }
```

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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