

Converting Colors

$Yxy(45.8514, 0.2743, 0.2969)$

Have a look what the booklet for
Yxy(45.8514, 0.2743, 0.2969)
contains.

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Color

Yxy(46.0031, 0.2742, 0.2973)

Conversions

Conversions Part 1

Format	Color
Hex	9DB8D0
RGB	157, 184, 208
RGB Percent	62%, 72%, 82%
CMY	0.3843, 0.2784, 0.1844
CMYK	0.25, 0.12, 0.00, 0.18
HSL	208°, 35%, 72%
HSV	208°, 25%, 82%
XYZ	42.4287, 46.0031, 66.3045
YIQ	178.6630, -23.7960, 1.7400

Conversions

Conversions Part 2

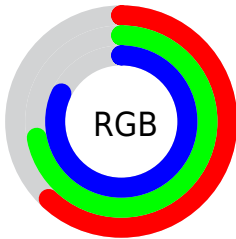
Format	Color
RYB	157, 175, 208
Decimal	10336464
CIELab	73.55, -3.85, -15.13
CIElCh	74, 15.612, 255.717
Yxy	46.0031, 0.2742, 0.2973
Android (android.graphics.Color)	4288526544 (0xFF9DB8D0)
YUV	178.6630, 14.4631, -18.9985
Hunter-Lab	67.8256, -7.0331, -10.4824

Details

The Yxy color **46.0031, 0.2742, 0.2973** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.8816, 0.3567, 0.3587**, and the grayscale version is **44.8227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5372, 0.2864, 0.3133**, and **21.5690, 0.2635, 0.2874** is the 20% darker color. If you saturate the color by 10%, you get **40.1632, 0.2581, 0.2821**, and if you desaturate by 10%, it is **52.4839, 0.2902, 0.3112**.

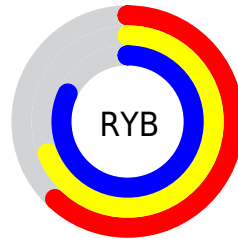
Distribution



Red (62%)

Green (72%)

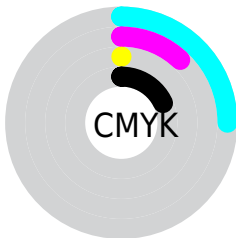
Blue (82%)



Red (62%)

Yellow (69%)

Blue (82%)

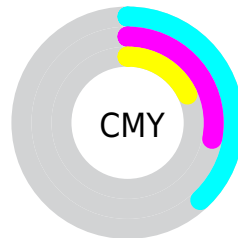


Cyan (25%)

Magenta (12%)

Yellow (0%)

Black (18%)



Cyan (38%)

Magenta (28%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0031, 0.2742, 0.2973 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 46.0031, 0.2742, 0.2973 by changing the saturation by 10% instead.

■ 46.0031, 0.2742,
0.2973

■ 46.0031, 0.2742,
0.2973

370.8211, 0.2933,
0.3132

■ 32.2483, 0.2695,
0.2933

■ 84.2236, 0.2811,
0.3031

■ 21.5512, 0.2635,
0.2882

■ 109.4581, 0.2837,
0.3053

■ 13.5275, 0.2557,
0.2815

139.2880, 0.2859,
0.3071

■ 7.7928, 0.2448,
0.2721

174.0975, 0.2878,
0.3087

■ 3.9626, 0.2291,
0.2581

214.2713, 0.2894,
0.3100

■ 1.6527, 0.2043,
0.2357

260.1935, 0.2909,

■ 0.3927, 0.1237,

0.3112

0.1740

312.2486, 0.2921,
0.3123

0.0000, 0.0000,
0.0000

46.0031, 0.2742,
0.2973

46.0031, 0.2742,
0.2973

40.1632, 0.2581,
0.2821

52.4839, 0.2902,
0.3112

34.9349, 0.2423,
0.2656

59.6221, 0.3059,
0.3238

30.2946, 0.2271,
0.2482

67.4408, 0.3209,
0.3350

26.2148, 0.2132,
0.2300

75.9598, 0.3352,
0.3450

22.6649, 0.2010,
0.2116

84.0432, 0.3444,
0.3541

■ 19.6103, 0.1909,
0.1934

■ 89.7335, 0.3427,
0.3635

■ 17.0100, 0.1832,
0.1758

■ 95.7356, 0.3410,
0.3727

■ 15.7395, 0.1796,
0.1665

■ 97.3331, 0.3406,
0.3751

Harmonies

Analogous

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



46.0031, 0.2713, 0.3110



46.0031, 0.2742, 0.2973



46.0031, 0.2871, 0.2923

Triad

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



46.0031, 0.2742, 0.2973



46.0031, 0.3475, 0.3260



46.0031, 0.3171, 0.3644

Complementary

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



46.0031, 0.2742, 0.2973



48.8816, 0.3567, 0.3587

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.



46.0031, 0.3380, 0.3676



46.0031, 0.2742, 0.2973



46.0031, 0.3560, 0.3445

Square

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



46.0031, 0.2742, 0.2973



46.0031, 0.3293, 0.3087



46.0031, 0.3524, 0.3599



46.0031, 0.2956, 0.3506

Rectangle

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



46.0031, 0.2742, 0.2973



46.0031, 0.2999, 0.2942



46.0031, 0.3524, 0.3599



46.0031, 0.3245, 0.3667

Sweetspot

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



46.0050, 0.2742, 0.2973



91.5303, 0.3019, 0.3207



55.5987, 0.2939, 0.3649



19.4403, 0.3009, 0.3199



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.



46.0050, 0.2742, 0.2973



68.3511, 0.2664, 0.2901



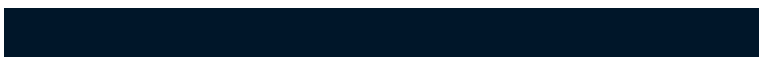
36.4166, 0.2712, 0.2624



12.4394, 0.2983, 0.3178



10.0069, 0.1803, 0.1689



0.7177, 0.1891, 0.2007

Inverse Universe

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



40.9839, 0.3373, 0.2959



59.5070, 0.3436, 0.2891



60.1199, 0.3499, 0.3879



11.9114, 0.3209, 0.3168



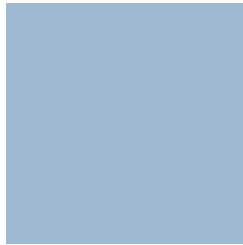
9.0815, 0.4820, 0.2429



0.5237, 0.4445, 0.2222

Previews

White Background



This preview shows how the Yxy color 46.0031, 0.2742, 0.2973 looks on a white background.

Color Contrast Check

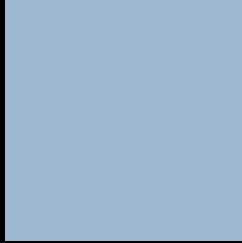
Large Text (above 18pt) WCAG AA × Fail

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 46.0031, 0.2742, 0.2973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

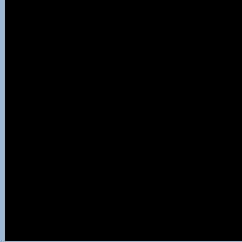
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

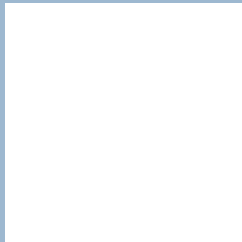
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0031, 0.2742, 0.2973

Background



This preview shows how black text looks on a background with the Yxy color 46.0031, 0.2742, 0.2973.



This preview shows how white text looks on a background with the Yxy color 46.0031, 0.2742, 0.2973.

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

46.0031, 0.2742, 0.2973

Protanopia

45.8781, 0.2903, 0.2957

Deuteranopia

45.8942, 0.2930, 0.2865



Tritanopia

45.8366, 0.2782, 0.3088

Trichromacy



Original Color

46.0031, 0.2742, 0.2973

Protanomaly

45.9390, 0.2842, 0.2966

Deuteranomaly

45.8423, 0.2858, 0.2907

Tritanomaly

46.0776, 0.2769, 0.3049

Monochromacy



Original Color

46.0031, 0.2742, 0.2973

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.4234, 0.2974, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0031, 0.2742, 0.2973 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(157, 184, 208)` looks like.

```
.text, #text, p{  
    color:rgb(157, 184, 208)  
}
```

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(157, 184, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 184, 208) }
```

Border

The CSS property to change the border of an element to Yxy 46.0031, 0.2742, 0.2973 is called "border". The border property can be set on classes, ids or directly on the HTML element.

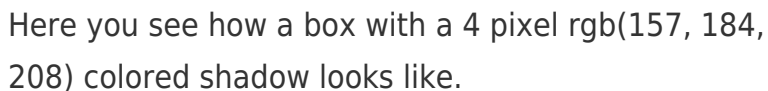
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 184, 208) }
```

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

```
.border{ border-color:rgb(157, 184, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 184, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 184, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 184, 208); box-shadow:4px 4px 4px 4px rgb(157, 184, 208) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0031, 0.2742, 0.2973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 184, 208) }
```

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

```
.background{ background-color: rgb(157,  
184, 208) }
```

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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