

Converting Colors

$Y_{xy}(50.2733, 0.2960, 0.3089)$

Have a look what the booklet for
Yxy(50.2733, 0.2960, 0.3089)
contains.

Yxy(50.2712, 0.2960, 0.3089)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.2712, 0.2960, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	B6BCCC
RGB	182, 188, 204
RGB Percent	71%, 74%, 80%
CMY	0.2863, 0.2627, 0.1999
CMYK	0.11, 0.08, 0.00, 0.20
HSL	224°, 18%, 76%
HSV	224°, 11%, 80%
XYZ	48.1718, 50.2712, 64.2996
YIQ	188.0300, -8.7120, 3.7040

Conversions

Conversions Part 2

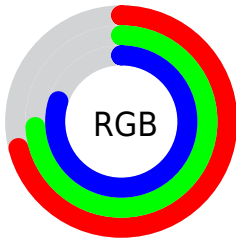
Format	Color
R _Y B	182, 187, 204
Decimal	11975884
CIE Lab	76.24, 1.08, -8.77
CIE LCh	76, 8.835, 277.023
Yxy	50.2712, 0.2960, 0.3089
Android (android.graphics.Color)	4290165964 (0xFFB6BCCC)
YUV	188.0300, 7.8732, -5.2883
Hunter-Lab	70.9022, -2.8037, -4.1373

Details

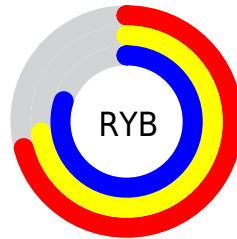
The Yxy color $50.2712, 0.2960, 0.3089$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $56.5998, 0.3295, 0.3483$, and the grayscale version is $50.2656, 0.3127, 0.3290$.

A 20% lighter version of the original color is $90.0985, 0.3024, 0.3181$, and $24.1971, 0.2913, 0.3035$ is the 20% darker color. If you saturate the color by 10%, you get $41.9564, 0.2792, 0.2879$, and if you desaturate by 10%, it is $59.6026, 0.3115, 0.3276$.

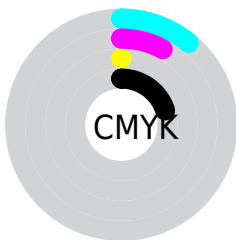
Distribution



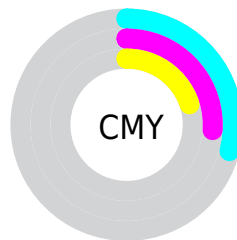
- Red (71%)
- Green (74%)
- Blue (80%)



- Red (71%)
- Yellow (73%)
- Blue (80%)



- Cyan (11%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (29%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2712, 0.2960, 0.3089 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 50.2712, 0.2960, 0.3089 by changing the saturation by 10% instead.

■ 50.2712, 0.2960,
0.3089

■ 50.2712, 0.2960,
0.3089

387.7256, 0.3042,
0.3188

■ 35.6289, 0.2940,
0.3065

■ 90.5766, 0.2990,
0.3125

■ 24.1478, 0.2914,
0.3034

117.0085, 0.3001,
0.3138

■ 15.4433, 0.2880,
0.2994

148.1390, 0.3010,
0.3149

■ 9.1311, 0.2833,
0.2939

184.3526, 0.3019,
0.3159

■ 4.8268, 0.2765,
0.2858

226.0337, 0.3026,
0.3168

■ 2.1460, 0.2656,
0.2730

273.5666, 0.3032,

■ 0.6903, 0.2441,

0.3175

0.2469

327.3358, 0.3038,
0.3182

0.0000, 0.0000,
0.0000

50.2712, 0.2960,
0.3089

50.2712, 0.2960,
0.3089

41.9564, 0.2792,
0.2879

59.6026, 0.3115,
0.3276

34.6166, 0.2614,
0.2646

69.9775, 0.3257,
0.3441

28.2169, 0.2430,
0.2392

81.4299, 0.3386,
0.3585

22.7175, 0.2244,
0.2123

92.3245, 0.3444,
0.3719

18.0758, 0.2066,
0.1847

97.1403, 0.3430,
0.3790

■ 14.2453, 0.1903,
0.1575

■ 11.1746, 0.1765,
0.1321

■ 8.8055, 0.1660,
0.1097

■ 7.1683, 0.1591,
0.0927

Harmonies

Analogous

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



50.2712, 0.2902, 0.3134



50.2712, 0.2960, 0.3089



50.2712, 0.3063, 0.3097

Triad

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



50.2712, 0.2960, 0.3089



50.2712, 0.3357, 0.3350



50.2712, 0.3067, 0.3433

Complementary

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



50.2712, 0.2960, 0.3089



56.5998, 0.3295, 0.3483

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.



50.2712, 0.3188, 0.3493



50.2712, 0.2960, 0.3089



50.2712, 0.3357, 0.3442

Square

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



50.2712, 0.2960, 0.3089



50.2712, 0.3293, 0.3245



50.2712, 0.3295, 0.3495



50.2712, 0.2963, 0.3333

Rectangle

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



50.2712, 0.2960, 0.3089



50.2712, 0.3144, 0.3130



50.2712, 0.3295, 0.3495



50.2712, 0.3107, 0.3459

Sweetspot

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



50.2733, 0.2960, 0.3089



95.0827, 0.3082, 0.3236



57.2025, 0.3005, 0.3367



20.0761, 0.3069, 0.3221



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.



50.2733, 0.2960, 0.3089



79.8302, 0.2921, 0.3041



48.3436, 0.2997, 0.3015



11.3349, 0.2983, 0.3117



4.6457, 0.1597, 0.0950



0.3687, 0.1708, 0.1347

Inverse Universe

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



49.9198, 0.3268, 0.3217



79.1876, 0.3303, 0.3200



58.7446, 0.3249, 0.3557



11.2632, 0.3248, 0.3227



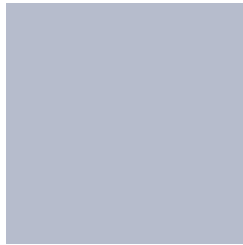
8.2720, 0.5834, 0.2988



0.4398, 0.5263, 0.2673

Previews

White Background



This preview shows how the Yxy color 50.2712, 0.2960, 0.3089 looks on a white background.

Color Contrast Check

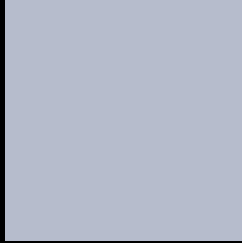
Large Text (above 18pt) WCAG AA × Fail

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 50.2712, 0.2960, 0.3089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

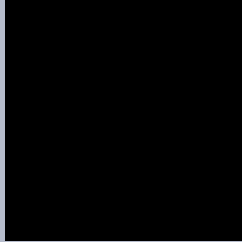
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

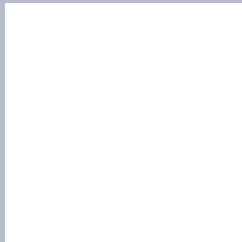
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2712, 0.2960, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 50.2712, 0.2960, 0.3089.

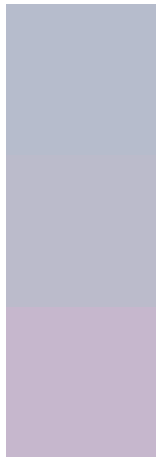


This preview shows how white text looks on a background with the Yxy color 50.2712, 0.2960, 0.3089.

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

50.2712, 0.2960, 0.3089

Protanopia

50.4172, 0.3007, 0.3091

Deuteranopia

50.2805, 0.3082, 0.3024



Tritanopia

50.2233, 0.2967, 0.3101

Trichromacy



Original Color

50.2712, 0.2960, 0.3089

Protanomaly

50.1667, 0.2991, 0.3090

Deuteranomaly

50.3122, 0.3032, 0.3045

Tritanomaly

50.2233, 0.2967, 0.3101

Monochromacy



Original Color

50.2712, 0.2960, 0.3089

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.3006, 0.3065, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2712, 0.2960, 0.3089 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(182, 188, 204)` looks like.

```
.text, #text, p{  
    color:rgb(182, 188, 204)  
}
```

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(182, 188, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 188, 204) }
```

Border

The CSS property to change the border of an element to Yxy 50.2712, 0.2960, 0.3089 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(182, 188, 204) }
```

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

```
.border{ border-color:rgb(182, 188, 204) }
```

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

Here you see how a box with a 4 pixel rgb(182, 188, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 188, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 188, 204);  
box-shadow:4px 4px 4px 4px rgb(182, 188,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2712, 0.2960, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 188, 204) }
```

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

```
.background{ background-color: rgb(182,  
188, 204) }
```

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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