

Converting Colors

$Y_{xy}(28.8870, 0.2364, 0.2672)$

Have a look what the booklet for
Yxy(28.8870, 0.2364, 0.2672)
contains.

Yxy(29.0309, 0.2368, 0.2683)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(29.0309, 0.2368, 0.2683)$

Conversions

Conversions Part 1

Format	Color
Hex	6099BF
RGB	96, 153, 191
RGB Percent	38%, 60%, 75%
CMY	0.6234, 0.4000, 0.2509
CMYK	0.50, 0.20, 0.00, 0.25
HSL	204°, 43%, 56%
HSV	204°, 50%, 75%
XYZ	25.6225, 29.0309, 53.5497
YIQ	140.2890, -46.1700, -0.2660

Conversions

Conversions Part 2

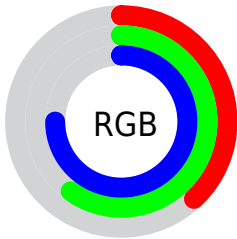
Format	Color
RYB	96, 132, 191
Decimal	6330815
CIELab	60.81, -8.08, -25.44
CIElCh	61, 26.691, 252.387
Yxy	29.0309, 0.2368, 0.2683
Android (android.graphics.Color)	4284520895 (0xFF6099BF)
YUV	140.2890, 25.0005, -38.8415
Hunter-Lab	53.8803, -9.4059, -21.2100

Details

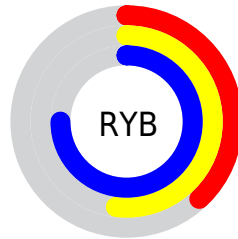
The Yxy color **29.0309, 0.2368, 0.2683** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.9875, 0.4223, 0.3809**, and the grayscale version is **26.2617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0164, 0.2520, 0.2809**, and **11.7210, 0.2133, 0.2484** is the 20% darker color. If you saturate the color by 10%, you get **25.6952, 0.2233, 0.2534**, and if you desaturate by 10%, it is **32.7809, 0.2514, 0.2825**.

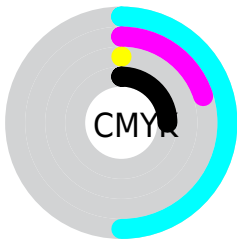
Distribution



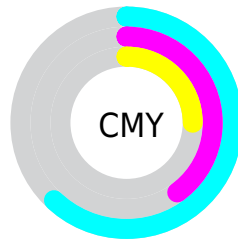
- Red (38%)
- Green (60%)
- Blue (75%)



- Red (38%)
- Yellow (52%)
- Blue (75%)



- Cyan (50%)
- Magenta (20%)
- Yellow (0%)
- Black (25%)



- Cyan (62%)
- Magenta (40%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.0309, 0.2368, 0.2683 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 29.0309, 0.2368, 0.2683 by changing the saturation by 10% instead.

■ 29.0309, 0.2368,
0.2683

■ 29.0309, 0.2368,
0.2683

■ 297.3607, 0.2765,
0.3009

■ 19.1042, 0.2264,
0.2595

■ 58.1262, 0.2516,
0.2807

■ 11.7456, 0.2129,
0.2478

■ 78.0635, 0.2570,
0.2852

■ 6.5707, 0.1947,
0.2316

■ 102.1066, 0.2616,
0.2889

■ 3.1951, 0.1691,
0.2081

■ 130.6397, 0.2655,
0.2921

■ 1.2344, 0.1314,
0.1718

■ 164.0473, 0.2688,
0.2948

■ 0.0895, 0.0000,
0.0392

■ 202.7137, 0.2717,

■ 0.0000, 0.0000,

0.2971

0.0000

247.0234, 0.2743,
0.2991

■ 29.0309, 0.2368,
0.2683

■ 29.0309, 0.2368,
0.2683

■ 25.6952, 0.2233,
0.2534

■ 32.7809, 0.2514,
0.2825

■ 22.7490, 0.2112,
0.2381

■ 36.9614, 0.2667,
0.2958

■ 20.1693, 0.2011,
0.2226

■ 41.5918, 0.2823,
0.3080

■ 17.9279, 0.1930,
0.2073

■ 46.6887, 0.2979,
0.3192

■ 15.9742, 0.1868,
0.1923

■ 52.2682, 0.3131,
0.3293

■ 15.9226, 0.1867,
0.1919

■ 58.3451, 0.3279,
0.3383

■ 64.9338, 0.3421,
0.3462

■ 72.0479, 0.3555,
0.3533

■ 77.1619, 0.3584,
0.3605

Harmonies

Analogous

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



29.0309, 0.2335, 0.2953



29.0309, 0.2368, 0.2683



29.0309, 0.2587, 0.2586

Triad

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



29.0309, 0.2368, 0.2683



29.0309, 0.3792, 0.3178



29.0309, 0.3247, 0.4040

Complementary

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



29.0309, 0.2368, 0.2683



28.9875, 0.4223, 0.3809

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.



29.0309, 0.3658, 0.4055



29.0309, 0.2368, 0.2683



29.0309, 0.3991, 0.3530

Square

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



29.0309, 0.2368, 0.2683



29.0309, 0.3403, 0.2868



29.0309, 0.3936, 0.3852



29.0309, 0.2823, 0.3775

Rectangle

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



29.0309, 0.2368, 0.2683



29.0309, 0.2822, 0.2615



29.0309, 0.3936, 0.3852



29.0309, 0.3392, 0.4074

Sweetspot

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



29.0320, 0.2368, 0.2683



78.4696, 0.2893, 0.3132



41.4775, 0.2823, 0.4217



16.8098, 0.2860, 0.3108



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



29.0320, 0.2368, 0.2683



45.3298, 0.2217, 0.2515



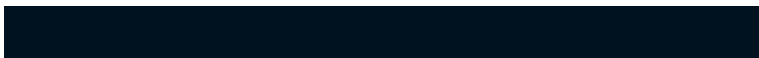
16.4629, 0.2216, 0.1887



10.1512, 0.2984, 0.3196



10.6237, 0.1872, 0.1939



0.5409, 0.1972, 0.2298

Inverse Universe

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



21.7499, 0.3660, 0.2533



32.3787, 0.3840, 0.2391



45.1805, 0.3903, 0.4383



9.6298, 0.3197, 0.3153



8.1022, 0.4522, 0.2265



0.3300, 0.4128, 0.2048

Previews

White Background



This preview shows how the Yxy color 29.0309, 0.2368, 0.2683 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0309, 0.2368, 0.2683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

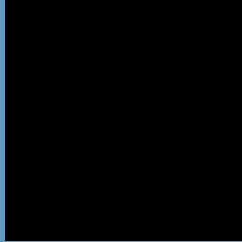
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

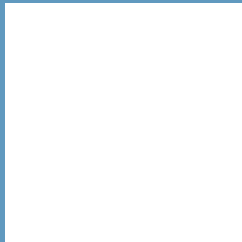
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.0309, 0.2368, 0.2683

Background



This preview shows how black text looks on a background with the Yxy color 29.0309, 0.2368, 0.2683.

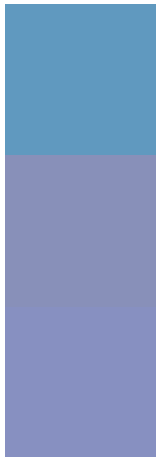


This preview shows how white text looks on a background with the Yxy color 29.0309, 0.2368, 0.2683.

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

29.0309, 0.2368, 0.2683

Protanopia

28.6835, 0.2687, 0.2669

Deuteranopia

28.9477, 0.2618, 0.2561



Tritanopia

29.1024, 0.2473, 0.3084

Trichromacy



Original Color

29.0309, 0.2368, 0.2683

Protanomaly

28.5202, 0.2553, 0.2668

Deuteranomaly

28.7382, 0.2518, 0.2600

Tritanomaly

29.2266, 0.2438, 0.2940

Monochromacy



Original Color

29.0309, 0.2368, 0.2683

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.0391, 0.2792, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0309, 0.2368, 0.2683 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(96, 153, 191)` looks like.

```
.text, #text, p{  
    color:rgb(96, 153, 191)  
}
```

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(96, 153, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 153, 191) }
```

Border

The CSS property to change the border of an element to Yxy 29.0309, 0.2368, 0.2683 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(96, 153, 191) }
```

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

```
.border{ border-color:rgb(96, 153, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 153, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 153, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 153, 191);  
box-shadow:4px 4px 4px 4px rgb(96, 153,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0309, 0.2368, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 153, 191) }
```

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

```
.background{ background-color: rgb(96, 153,  
191) }
```

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