

Converting Colors

$Y_{xy}(28.9598, 0.2569, 0.3068)$

Have a look what the booklet for
Yxy(28.9598, 0.2569, 0.3068)
contains.

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Color

Yxy(28.8219, 0.2566, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	679AA8
RGB	103, 154, 168
RGB Percent	40%, 60%, 66%
CMY	0.5961, 0.3961, 0.3411
CMYK	0.39, 0.08, 0.00, 0.34
HSL	193°, 27%, 53%
HSV	193°, 39%, 66%
XYZ	24.2164, 28.8219, 41.3359
YIQ	140.3470, -34.8900, -6.4580

Conversions

Conversions Part 2

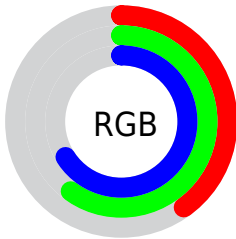
Format	Color
R_{YB}	103, 132, 168
Decimal	6789800
CIE _{Lab}	60.62, -13.30, -12.71
CIE _{LCh}	61, 18.394, 223.693
Yxy	28.8219, 0.2566, 0.3054
Android (android.graphics.Color)	4284979880 (0xFF679AA8)
YUV	140.3470, 13.6329, -32.7533
Hunter-Lab	53.6860, -13.4336, -8.0705

Details

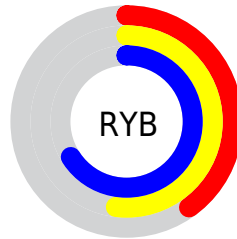
The Yxy color **28.8219, 0.2566, 0.3054** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.0259, 0.3977, 0.3510**, and the grayscale version is **26.3234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6076, 0.2681, 0.3102**, and **11.6653, 0.2383, 0.2967** is the 20% darker color. If you saturate the color by 10%, you get **26.7509, 0.2441, 0.2982**, and if you desaturate by 10%, it is **31.1308, 0.2702, 0.3122**.

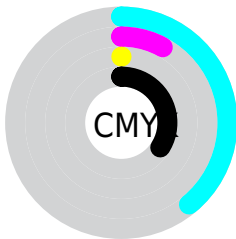
Distribution



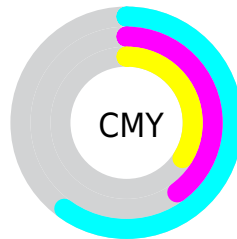
- Red (40%)
- Green (60%)
- Blue (66%)



- Red (40%)
- Yellow (52%)
- Blue (66%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (34%)





- Cyan (60%)
- Magenta (40%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8219, 0.2566, 0.3054 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 28.8219, 0.2566, 0.3054 by changing the saturation by 10% instead.

 28.8219, 0.2566,
0.3054


 28.8219, 0.2566,
0.3054


296.3737, 0.2863,
0.3186

 18.9461, 0.2486,
0.3016


 57.7940, 0.2678,
0.3106


 11.6314, 0.2380,
0.2963


 77.6591, 0.2719,
0.3124

 6.4932, 0.2234,
0.2886


 101.6228, 0.2753,
0.3139

 3.1472, 0.2018,
0.2765

 130.0695, 0.2782,
0.3152

 1.2091, 0.1673,
0.2549

163.3835, 0.2807,
0.3162

 0.0691, 0.0000,
0.0669

201.9493, 0.2828,

 0.0000, 0.0000,

0.3171

0.0000

246.1512, 0.2847,
0.3179

■ 28.8219, 0.2566,
0.3054

■ 28.8219, 0.2566,
0.3054

■ 26.7509, 0.2441,
0.2982

■ 31.1308, 0.2702,
0.3122

■ 24.9020, 0.2329,
0.2907

■ 33.6856, 0.2847,
0.3185

■ 23.2627, 0.2234,
0.2830

■ 36.4978, 0.2996,
0.3244

■ 21.8177, 0.2157,
0.2752


■ 39.5774, 0.3147,
0.3297


■ 20.5491, 0.2099,
0.2674

■ 42.9336, 0.3298,
0.3344

 19.4236, 0.2057,
0.2597

 46.5752, 0.3446,
0.3387

 19.2817, 0.2052,
0.2587

 50.5106, 0.3591,
0.3425

 54.7479, 0.3730,
0.3458

 59.2946, 0.3864,
0.3488

Harmonies

Analogous

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



28.8219, 0.2677, 0.3328



28.8219, 0.2566, 0.3054



28.8219, 0.2596, 0.2863

Triad

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



28.8219, 0.2566, 0.3054



28.8219, 0.3334, 0.3001



28.8219, 0.3490, 0.3821

Complementary

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



28.8219, 0.2566, 0.3054



22.0259, 0.3977, 0.3510

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.



28.8219, 0.3683, 0.3698



28.8219, 0.2566, 0.3054



28.8219, 0.3594, 0.3228

Square

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



28.8219, 0.2566, 0.3054



28.8219, 0.3027, 0.2844



28.8219, 0.3723, 0.3480



28.8219, 0.3204, 0.3792

Rectangle

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



28.8219, 0.2566, 0.3054



28.8219, 0.2692, 0.2802



28.8219, 0.3723, 0.3480



28.8219, 0.3568, 0.3794

Sweetspot

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



28.8230, 0.2566, 0.3054



64.3727, 0.2943, 0.3224



32.1519, 0.2976, 0.4207



13.8927, 0.2925, 0.3216



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.8230, 0.2566, 0.3054



49.2045, 0.2463, 0.2996



19.7515, 0.2483, 0.2492



8.2537, 0.2987, 0.3240



14.6361, 0.2054, 0.2594



0.4227, 0.2125, 0.2849

Inverse Universe

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



20.3575, 0.3342, 0.2536



32.2207, 0.3402, 0.2384



30.6426, 0.3795, 0.3974



7.6385, 0.3169, 0.3115



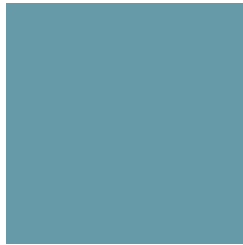
7.5486, 0.3829, 0.1883



0.1904, 0.3589, 0.1751

Previews

White Background



This preview shows how the Yxy color 28.8219, 0.2566, 0.3054 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 28.8219, 0.2566, 0.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

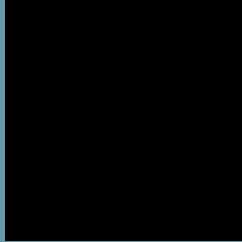
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8219, 0.2566, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 28.8219, 0.2566, 0.3054.



This preview shows how white text looks on a background with the Yxy color 28.8219, 0.2566, 0.3054.

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

28.8219, 0.2566, 0.3054

Protanopia

28.6991, 0.2947, 0.3023

Deuteranopia

28.5822, 0.2914, 0.2849



Tritanopia

28.7848, 0.2573, 0.3070

Trichromacy



Original Color

28.8219, 0.2566, 0.3054

Protanomaly

28.4493, 0.2790, 0.3031

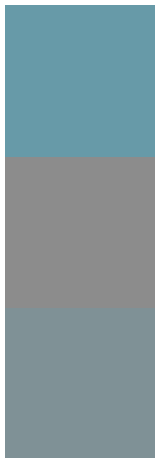
Deuteranomaly

28.3656, 0.2775, 0.2909

Tritanomaly

28.7848, 0.2573, 0.3070

Monochromacy



Original Color

28.8219, 0.2566, 0.3054

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.9648, 0.2899, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8219, 0.2566, 0.3054 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(103, 154, 168)` looks like.

```
.text, #text, p{  
    color:rgb(103, 154, 168)  
}
```

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(103, 154, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 154, 168) }
```

Border

The CSS property to change the border of an element to Yxy 28.8219, 0.2566, 0.3054 is called "border". The border property can be set on classes, ids or directly on the HTML element.

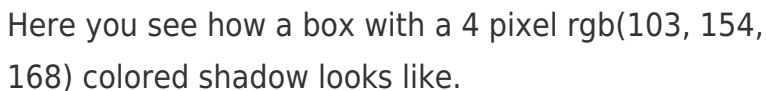
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 154, 168) }
```

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

```
.border{ border-color:rgb(103, 154, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 154, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 154, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 154, 168); box-shadow:4px 4px 4px 4px rgb(103, 154, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8219, 0.2566, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 154, 168) }
```

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

```
.background{ background-color: rgb(103,  
154, 168) }
```

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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