

Converting Colors

$Yxy(29.0849, 0.2580, 0.3396)$

Have a look what the booklet for
Yxy(29.0849, 0.2580, 0.3396)
contains.

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Color

$Y_{xy}(29.1709, 0.2580, 0.3394)$

Conversions

Conversions Part 1

Format	Color
Hex	589F99
RGB	88, 159, 153
RGB Percent	35%, 62%, 60%
CMY	0.6548, 0.3765, 0.4000
CMYK	0.45, 0.00, 0.04, 0.38
HSL	175°, 29%, 48%
HSV	175°, 45%, 62%
XYZ	22.1747, 29.1709, 34.6028
YIQ	137.0870, -40.3900, -16.9180

Conversions

Conversions Part 2

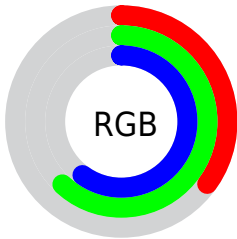
Format	Color
R_{YB}	88, 125, 159
Decimal	5808025
CIE _{Lab}	60.93, -23.80, -3.84
CIE _{LCh}	61, 24.107, 189.171
Yxy	29.1709, 0.2580, 0.3394
Android (android.graphics.Color)	4283998105 (0xFF589F99)
YUV	137.0870, 7.8451, -43.0493
Hunter-Lab	54.0101, -21.2317, -0.1785

Details

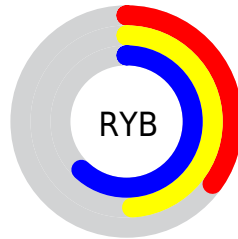
The Yxy color **29.1709, 0.2580, 0.3394** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.1630, 0.4175, 0.3196**, and the grayscale version is **25.0350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3489, 0.2691, 0.3379**, and **11.7818, 0.2396, 0.3421** is the 20% darker color. If you saturate the color by 10%, you get **28.4345, 0.2493, 0.3421**, and if you desaturate by 10%, it is **30.0793, 0.2683, 0.3368**.

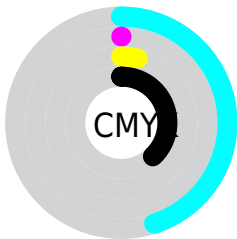
Distribution



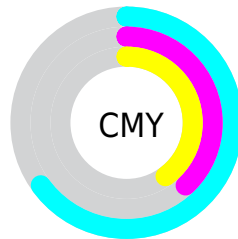
- Red (35%)
- Green (62%)
- Blue (60%)



- Red (35%)
- Yellow (49%)
- Blue (62%)



- Cyan (45%)
- Magenta (0%)
- Yellow (4%)
- Black (38%)





- Cyan (65%)
- Magenta (38%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1709, 0.2580, 0.3394 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 29.1709, 0.2580, 0.3394 by changing the saturation by 10% instead.

 29.1709, 0.2580,
0.3394


 29.1709, 0.2580,
0.3394


298.0205, 0.2872,
0.3342

 19.2101, 0.2501,
0.3407


 58.3485, 0.2690,
0.3375


 11.8222, 0.2396,
0.3423


 78.3341, 0.2731,
0.3368

 6.6227, 0.2248,
0.3443


 102.4302, 0.2764,
0.3362

 3.2273, 0.2028,
0.3469

 131.0210, 0.2792,
0.3357

 1.2515, 0.1604,
0.3525

164.4911, 0.2816,
0.3352

 0.1032, 0.0000,
0.2131

203.2248, 0.2837,

 0.0000, 0.0000,

0.3348

0.0000

247.6064, 0.2855,
0.3345

■ 29.1709, 0.2580,
0.3394

■ 29.1709, 0.2580,
0.3394

■ 28.4345, 0.2493,
0.3421

■ 30.0793, 0.2683,
0.3368

■ 27.8557, 0.2423,
0.3449

■ 31.1664, 0.2799,
0.3343

■ 27.4230, 0.2372,
0.3477


■ 32.4426, 0.2927,
0.3320

■ 27.1221, 0.2340,
0.3505

■ 33.9168, 0.3062,
0.3299

■ 26.9356, 0.2324,
0.3533


■ 35.5969, 0.3203,
0.3280

 26.8582, 0.2319,
0.3548

 37.4907, 0.3347,
0.3263

 39.6054, 0.3492,
0.3247

 41.9481, 0.3636,
0.3234

 44.5253, 0.3777,
0.3222

Harmonies

Analogous

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



29.1709, 0.2892, 0.3758



29.1709, 0.2580, 0.3394



29.1709, 0.2415, 0.3024

Triad

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



29.1709, 0.2580, 0.3394



29.1709, 0.2936, 0.2699



29.1709, 0.3874, 0.3775

Complementary

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



29.1709, 0.2580, 0.3394



15.1630, 0.4175, 0.3196

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.



29.1709, 0.3896, 0.3477



29.1709, 0.2580, 0.3394



29.1709, 0.3335, 0.2881

Square

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



29.1709, 0.2580, 0.3394



29.1709, 0.2610, 0.2652



29.1709, 0.3695, 0.3157



29.1709, 0.3643, 0.3969

Rectangle

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



29.1709, 0.2580, 0.3394



29.1709, 0.2402, 0.2833



29.1709, 0.3695, 0.3157



29.1709, 0.3907, 0.3683

Sweetspot

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



29.1720, 0.2580, 0.3394



58.4483, 0.2945, 0.3317



27.9403, 0.3124, 0.4621



13.0598, 0.2917, 0.3322



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.1720, 0.2580, 0.3394



50.8791, 0.2490, 0.3422



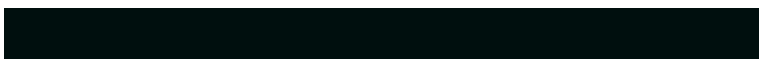
20.7071, 0.2450, 0.2765



7.4998, 0.2999, 0.3309



21.2169, 0.2318, 0.3546



0.3819, 0.2287, 0.3433

Inverse Universe

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



15.1630, 0.4175, 0.3196



22.3955, 0.4573, 0.3179



20.6626, 0.4060, 0.3752



6.6548, 0.3271, 0.3271



5.8485, 0.6280, 0.3233



0.1069, 0.5764, 0.2949

Previews

White Background



This preview shows how the Yxy color 29.1709, 0.2580, 0.3394 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 29.1709, 0.2580, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

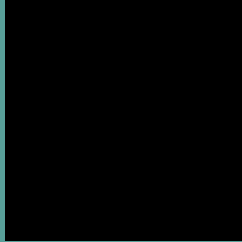
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1709, 0.2580, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 29.1709, 0.2580, 0.3394.

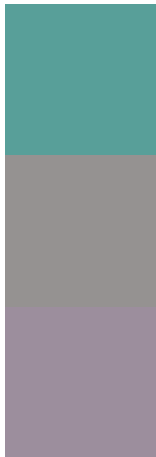


This preview shows how white text looks on a background with the Yxy color 29.1709, 0.2580, 0.3394.

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

29.1709, 0.2580, 0.3394

Protanopia

28.9917, 0.3168, 0.3306

Deuteranopia

28.8482, 0.3127, 0.3061



Tritanopia

29.3057, 0.2499, 0.3085

Trichromacy



Original Color

29.1709, 0.2580, 0.3394

Protanomaly

28.7834, 0.2919, 0.3339

Deuteranomaly

28.4054, 0.2886, 0.3159

Tritanomaly

29.3222, 0.2529, 0.3202

Monochromacy



Original Color

29.1709, 0.2580, 0.3394

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.1559, 0.2884, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1709, 0.2580, 0.3394 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(88, 159, 153)` looks like.

```
.text, #text, p{  
    color:rgb(88, 159, 153)  
}
```

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(88, 159, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 159, 153) }
```

Border

The CSS property to change the border of an element to Yxy 29.1709, 0.2580, 0.3394 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(88, 159, 153) }
```

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

```
.border{ border-color:rgb(88, 159, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 159, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 159, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 159, 153);  
box-shadow:4px 4px 4px 4px rgb(88, 159,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1709, 0.2580, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 159, 153) }
```

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

```
.background{ background-color: rgb(88, 159,  
153) }
```

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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