

Converting Colors

$Y_{xy}(29.2396, 0.2714, 0.3588)$

Have a look what the booklet for
Yxy(29.2396, 0.2714, 0.3588)
contains.

Yxy(29.2361, 0.2715, 0.3591)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.2361, 0.2715, 0.3591)

Conversions

Conversions Part 1

Format	Color
Hex	609F8E
RGB	96, 159, 142
RGB Percent	38%, 62%, 56%
CMY	0.6236, 0.3765, 0.4431
CMYK	0.40, 0.00, 0.11, 0.38
HSL	164°, 25%, 50%
HSV	164°, 40%, 62%
XYZ	22.1042, 29.2361, 30.0747
YIQ	138.2250, -32.0910, -18.6430

Conversions

Conversions Part 2

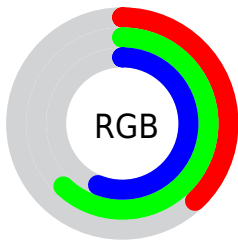
Format	Color
R_{YB}	96, 132, 159
Decimal	6332302
CIE _{Lab}	60.99, -24.37, 2.49
CIE _{LCh}	61, 24.499, 174.165
Yxy	29.2361, 0.2715, 0.3591
Android (android.graphics.Color)	4284522382 (0xFF609F8E)
YUV	138.2250, 1.8611, -37.0313
Hunter-Lab	54.0704, -21.6519, 4.8714

Details

The Yxy color **29.2361, 0.2715, 0.3591** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.9265, 0.3823, 0.3015**, and the grayscale version is **25.5077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4682, 0.2797, 0.3524**, and **11.8236, 0.2569, 0.3692** is the 20% darker color. If you saturate the color by 10%, you get **28.3341, 0.2635, 0.3682**, and if you desaturate by 10%, it is **30.3198, 0.2807, 0.3506**.

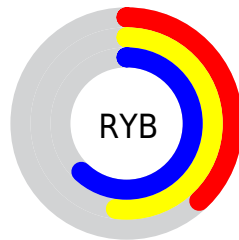
Distribution



Red (38%)

Green (62%)

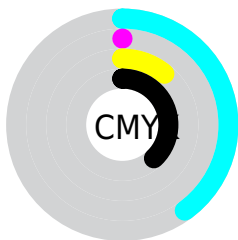
Blue (56%)



Red (38%)

Yellow (52%)

Blue (62%)

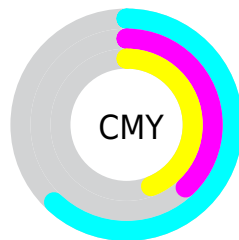


Cyan (40%)

Magenta (0%)

Yellow (11%)

Black (38%)



Cyan (62%)


Magenta (38%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2361, 0.2715, 0.3591 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 29.2361, 0.2715, 0.3591 by changing the saturation by 10% instead.

 29.2361, 0.2715,
0.3591


 29.2361, 0.2715,
0.3591


298.3273, 0.2937,
0.3427

 19.2595, 0.2653,
0.3637


 58.4520, 0.2800,
0.3528


 11.8579, 0.2570,
0.3700


 78.4601, 0.2831,
0.3505

 6.6470, 0.2452,
0.3790


 102.5808, 0.2856,
0.3487

 3.2423, 0.2271,
0.3931

 131.1985, 0.2878,
0.3471

 1.2595, 0.1881,
0.4221

164.6976, 0.2896,
0.3457

 0.1095, 0.0000,
1.0000

203.4625, 0.2912,

 0.0000, 0.0000,

0.3446

0.0000

247.8776, 0.2925,
0.3436

■ 29.2361, 0.2715,
0.3591

■ 29.2361, 0.2715,
0.3591

■ 28.3341, 0.2635,
0.3682

■ 30.3198, 0.2807,
0.3506

■ 27.5997, 0.2571,
0.3777

■ 31.5915, 0.2909,
0.3426

■ 27.0222, 0.2524,
0.3875

■ 33.0614, 0.3018,
0.3354


■ 26.5883, 0.2496,
0.3974


■ 34.7378, 0.3131,
0.3288

■ 26.2824, 0.2487,
0.4074


■ 36.6289, 0.3247,
0.3228


 26.0693, 0.2493,
0.4173

 38.7420, 0.3363,
0.3176

 26.0619, 0.2494,
0.4177

 41.0844, 0.3477,
0.3129

 43.6628, 0.3589,
0.3088

 46.4839, 0.3698,
0.3052

Harmonies

Analogous

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



29.2361, 0.3082, 0.3903



29.2361, 0.2715, 0.3591



29.2361, 0.2467, 0.3199

Triad

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



29.2361, 0.2715, 0.3591



29.2361, 0.2752, 0.2648



29.2361, 0.3926, 0.3638

Complementary

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



29.2361, 0.2715, 0.3591



16.9265, 0.3823, 0.3015

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.



29.2361, 0.3832, 0.3316



29.2361, 0.2715, 0.3591



29.2361, 0.3132, 0.2768

Square

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



29.2361, 0.2715, 0.3591



29.2361, 0.2488, 0.2678



29.2361, 0.3534, 0.3006



29.2361, 0.3790, 0.3899

Rectangle

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



29.2361, 0.2715, 0.3591



29.2361, 0.2394, 0.2965



29.2361, 0.3534, 0.3006



29.2361, 0.3921, 0.3533

Sweetspot

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



29.2373, 0.2715, 0.3591



58.4882, 0.2989, 0.3372



29.2088, 0.3236, 0.4412



13.1129, 0.2976, 0.3381



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.



29.2373, 0.2715, 0.3591



50.8469, 0.2641, 0.3675



25.3475, 0.2556, 0.3047



7.4789, 0.3022, 0.3351



20.5905, 0.2491, 0.4168



0.3748, 0.2382, 0.3774

Inverse Universe

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



16.9265, 0.3823, 0.3015



25.5259, 0.4075, 0.2954



19.2901, 0.4000, 0.3516



6.6741, 0.3244, 0.3230



5.9650, 0.5817, 0.2978



0.1131, 0.4817, 0.2427

Previews

White Background



This preview shows how the Yxy color 29.2361, 0.2715, 0.3591 looks on a white background.

Color Contrast Check

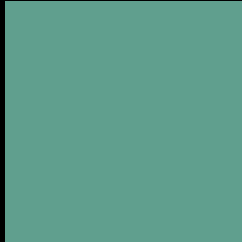
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2361, 0.2715, 0.3591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

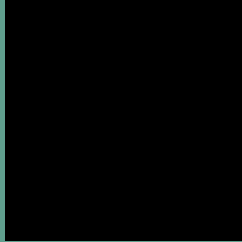
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2361, 0.2715, 0.3591

Background



This preview shows how black text looks on a background with the Yxy color 29.2361, 0.2715, 0.3591.

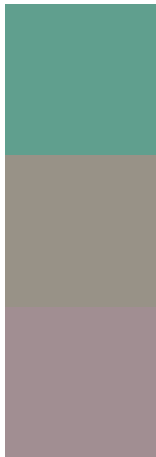


This preview shows how white text looks on a background with the Yxy color 29.2361, 0.2715, 0.3591.

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

29.2361, 0.2715, 0.3591

Protanopia

28.9824, 0.3300, 0.3465

Deuteranopia

28.9984, 0.3292, 0.3230



Tritanopia

29.0946, 0.2561, 0.3071

Trichromacy



Original Color

29.2361, 0.2715, 0.3591

Protanomaly

28.8737, 0.3057, 0.3507

Deuteranomaly

28.5425, 0.3043, 0.3339

Tritanomaly

28.9895, 0.2613, 0.3237

Monochromacy



Original Color

29.2361, 0.2715, 0.3591

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.6328, 0.2959, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2361, 0.2715, 0.3591 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, 159, 142)` looks like.

```
.text, #text, p{  
    color:rgb(96, 159, 142)  
}
```

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, 159, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 159, 142) }
```

Border

The CSS property to change the border of an element to Yxy 29.2361, 0.2715, 0.3591 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, 159, 142) }
```

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

```
.border{ border-color:rgb(96, 159, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 159, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 159, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 159, 142);  
box-shadow:4px 4px 4px 4px rgb(96, 159,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2361, 0.2715, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 159, 142) }
```

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

```
.background{ background-color: rgb(96, 159,  
142) }
```

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