

Converting Colors

$Y_{xy}(29.0976, 0.2414, 0.3033)$

Have a look what the booklet for
Yxy(29.0976, 0.2414, 0.3033)
contains.

Yxy(29.2647, 0.2410, 0.3033)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(29.2647, 0.2410, 0.3033)$

Conversions

Conversions Part 1

Format	Color
Hex	529EAD
RGB	82, 158, 173
RGB Percent	32%, 62%, 68%
CMY	0.6783, 0.3804, 0.3215
CMYK	0.53, 0.09, 0.00, 0.32
HSL	190°, 36%, 50%
HSV	190°, 53%, 68%
XYZ	23.2535, 29.2647, 43.9694
YIQ	136.9860, -50.1110, -11.4470

Conversions

Conversions Part 2

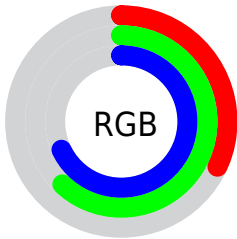
Format	Color
R_{YB}	82, 123, 173
Decimal	5414573
CIE _{Lab}	61.01, -19.24, -15.05
CIE _{LCh}	61, 24.425, 218.024
Yxy	29.2647, 0.2410, 0.3033
Android (android.graphics.Color)	4283604653 (0xFF529EAD)
YUV	136.9860, 17.7549, -48.2227
Hunter-Lab	54.0969, -17.9413, -10.3226

Details

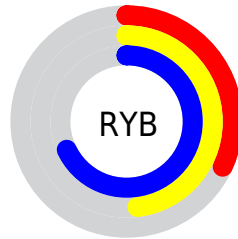
The Yxy color **29.2647, 0.2410, 0.3033** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.0591, 0.4486, 0.3516**, and the grayscale version is **24.9611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5932, 0.2554, 0.3100**, and **11.7987, 0.2176, 0.2912** is the 20% darker color. If you saturate the color by 10%, you get **27.6214, 0.2311, 0.2976**, and if you desaturate by 10%, it is **31.1285, 0.2525, 0.3088**.

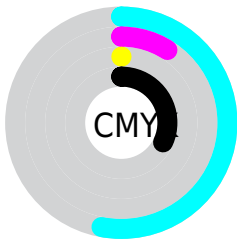
Distribution



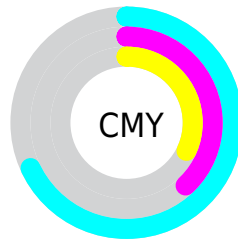
- Red (32%)
- Green (62%)
- Blue (68%)



- Red (32%)
- Yellow (48%)
- Blue (68%)



- Cyan (53%)
- Magenta (9%)
- Yellow (0%)
- Black (32%)



- Cyan (68%)
- Magenta (38%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2647, 0.2410, 0.3033 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 29.2647, 0.2410, 0.3033 by changing the saturation by 10% instead.

 29.2647, 0.2410,
0.3033


 29.2647, 0.2410,
0.3033

298.4618, 0.2786,
0.3180


 19.2812, 0.2311,
0.2990


 58.4974, 0.2551,
0.3091

 11.8736, 0.2180,
0.2930


 78.5153, 0.2602,
0.3111

 6.6577, 0.2002,
0.2842


 102.6468, 0.2646,
0.3128

 3.2489, 0.1746,
0.2702

 131.2763, 0.2682,
0.3142

 1.2630, 0.1342,
0.2459

164.7881, 0.2714,
0.3154

 0.1123, 0.0000,
0.0863

203.5667, 0.2741,

 0.0000, 0.0000,

0.3164

0.0000

247.9965, 0.2765,
0.3172

■ 29.2647, 0.2410,
0.3033

■ 29.2647, 0.2410,
0.3033

■ 27.6214, 0.2311,
0.2976

■ 31.1285, 0.2525,
0.3088

■ 26.1800, 0.2230,
0.2917

■ 33.2231, 0.2653,
0.3141

■ 24.9245, 0.2168,
0.2859

■ 35.5619, 0.2791,
0.3191

■ 23.8342, 0.2124,
0.2801

■ 38.1565, 0.2937,
0.3237

■ 23.0992, 0.2099,
0.2758

■ 41.0174, 0.3088,
0.3280

■ 44.1547, 0.3240,
0.3318

■ 47.5779, 0.3392,
0.3353

■ 51.2959, 0.3542,
0.3383

■ 55.3175, 0.3687,
0.3411

Harmonies

Analogous

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



29.2647, 0.2583, 0.3410



29.2647, 0.2410, 0.3033



29.2647, 0.2414, 0.2762

Triad

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



29.2647, 0.2410, 0.3033



29.2647, 0.3322, 0.2867



29.2647, 0.3661, 0.3973

Complementary

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



29.2647, 0.2410, 0.3033



18.0591, 0.4486, 0.3516

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.



29.2647, 0.3888, 0.3770



29.2647, 0.2410, 0.3033



29.2647, 0.3690, 0.3144

Square

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



29.2647, 0.2410, 0.3033



29.2647, 0.2919, 0.2688



29.2647, 0.3902, 0.3467



29.2647, 0.3298, 0.3988

Rectangle

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



29.2647, 0.2410, 0.3033



29.2647, 0.2516, 0.2667



29.2647, 0.3902, 0.3467



29.2647, 0.3756, 0.3922

Sweetspot

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



29.2658, 0.2410, 0.3033



66.5447, 0.2883, 0.3221



32.5305, 0.2964, 0.4698



14.2613, 0.2854, 0.3212



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



29.2658, 0.2410, 0.3033



49.0398, 0.2298, 0.2967



16.8226, 0.2249, 0.2221



8.8435, 0.2986, 0.3252



17.0359, 0.2101, 0.2764



0.5328, 0.2150, 0.2939

Inverse Universe

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



17.3963, 0.3383, 0.2226



26.3214, 0.3454, 0.2043



28.5995, 0.4108, 0.4149



8.1250, 0.3162, 0.3103



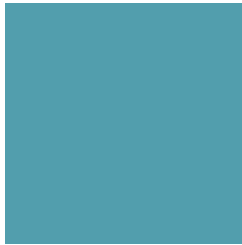
8.0228, 0.3668, 0.1794



0.2291, 0.3508, 0.1706

Previews

White Background



This preview shows how the Yxy color 29.2647, 0.2410, 0.3033 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 29.2647, 0.2410, 0.3033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

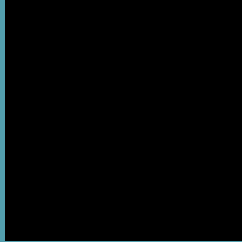
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

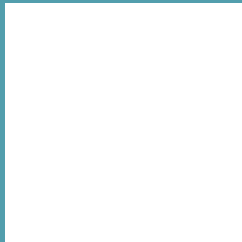
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.2647, 0.2410, 0.3033

Background



This preview shows how black text looks on a background with the Yxy color 29.2647, 0.2410, 0.3033.



This preview shows how white text looks on a background with the Yxy color 29.2647, 0.2410, 0.3033.

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

29.2647, 0.2410, 0.3033

Protanopia

28.8967, 0.2930, 0.2979

Deuteranopia

28.8905, 0.2852, 0.2791



Tritanopia

29.1433, 0.2417, 0.3066

Trichromacy



Original Color

29.2647, 0.2410, 0.3033

Protanomaly

28.7048, 0.2700, 0.2997

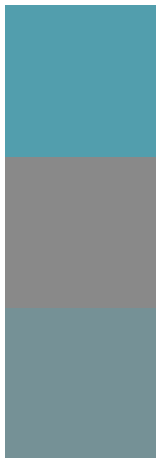
Deuteranomaly

28.4859, 0.2659, 0.2859

Tritanomaly

29.1816, 0.2410, 0.3049

Monochromacy



Original Color

29.2647, 0.2410, 0.3033

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.2347, 0.2804, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2647, 0.2410, 0.3033 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(82, 158, 173)` looks like.

```
.text, #text, p{  
    color:rgb(82, 158, 173)  
}
```

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(82, 158, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 158, 173) }
```

Border

The CSS property to change the border of an element to Yxy 29.2647, 0.2410, 0.3033 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(82, 158, 173) }
```

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

```
.border{ border-color:rgb(82, 158, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 158, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 158, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 158, 173);  
box-shadow:4px 4px 4px 4px rgb(82, 158,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2647, 0.2410, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 158, 173) }
```

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

```
.background{ background-color: rgb(82, 158,  
173) }
```

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