

Converting Colors

$Y_{xy}(29.6014, 0.3677, 0.4267)$

Have a look what the booklet for
Yxy(29.6014, 0.3677, 0.4267)
contains.

Yxy(29.6014, 0.3677, 0.4267)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.6014, 0.3677, 0.4267)

Conversions

Conversions Part 1

Format	Color
Hex	95985B
RGB	149, 152, 91
RGB Percent	58%, 60%, 36%
CMY	0.4157, 0.4039, 0.6432
CMYK	0.02, 0.00, 0.40, 0.40
HSL	63°, 25%, 48%
HSV	63°, 40%, 60%
XYZ	25.5084, 29.6014, 14.2631
YIQ	144.1490, 17.7930, -19.6070

Conversions

Conversions Part 2

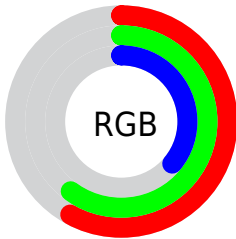
Format	Color
RYB	91, 152, 94
Decimal	9803867
CIELab	61.31, -10.71, 31.72
CIELCh	61, 33.477, 108.660
Yxy	29.6014, 0.3677, 0.4267
Android (android.graphics.Color)	4287993947 (0xFF95985B)
YUV	144.1490, -26.2025, 4.2543
Hunter-Lab	54.4072, -11.5241, 22.5419

Details

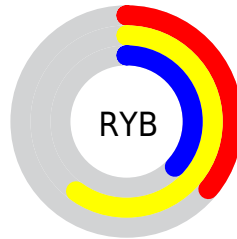
The Yxy color $29.6014, 0.3677, 0.4267$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $12.1272, 0.2441, 0.2110$, and the grayscale version is $28.0547, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.9330, 0.3576, 0.4064$, and $12.0232, 0.3836, 0.4603$ is the 20% darker color. If you saturate the color by 10%, you get $29.2958, 0.3799, 0.4492$, and if you desaturate by 10%, it is $29.9632, 0.3544, 0.4027$.

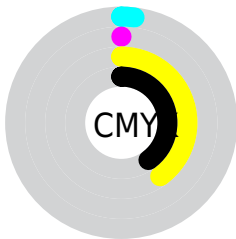
Distribution



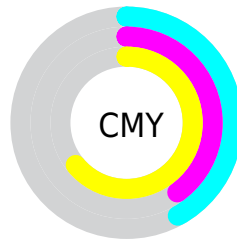
- Red (58%)
- Green (60%)
- Blue (36%)



- Red (36%)
- Yellow (60%)
- Blue (37%)



- Cyan (2%)
- Magenta (0%)
- Yellow (40%)
- Black (40%)





- Cyan (42%)
- Magenta (40%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6014, 0.3677, 0.4267 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 29.6014, 0.3677, 0.4267 by changing the saturation by 10% instead.


 29.6014, 0.3677,
0.4267


 29.6014, 0.3677,
0.4267


300.0420, 0.3395,
0.3736


 19.5362, 0.3745,
0.4411


 59.0312, 0.3575,
0.4065


 12.0584, 0.3829,
0.4602


 79.1647, 0.3536,
0.3992

 6.7835, 0.3930,
0.4862


 103.4231, 0.3504,
0.3931

 3.3270, 0.4115,
0.5324

 132.1907, 0.3476,
0.3880

 1.3048, 0.4165,
0.5835

165.8520, 0.3451,
0.3836

 0.1449, 0.0000,
1.0000

204.7914, 0.3430,

 0.0000, 0.0000,

0.3798

0.0000

249.3933, 0.3412,
0.3765

■ 29.6014, 0.3677,
0.4267

■ 29.6014, 0.3677,
0.4267

■ 29.2958, 0.3799,
0.4492

■ 29.9632, 0.3544,
0.4027

■ 29.0393, 0.3906,
0.4691

■ 30.3803, 0.3405,
0.3779

■ 28.8296, 0.3992,
0.4857


■ 30.8567, 0.3266,
0.3533

■ 28.6626, 0.4053,
0.4983


■ 31.3949, 0.3129,
0.3293


■ 28.5335, 0.4090,
0.5067


■ 31.9974, 0.2998,
0.3066

 28.4317, 0.4108,
0.5120

 32.6664, 0.2875,
0.2852

 33.4042, 0.2760,
0.2655

 34.2127, 0.2655,
0.2474

 35.0941, 0.2558,
0.2310

Harmonies

Analogous

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



29.6014, 0.4074, 0.4042



29.6014, 0.3677, 0.4267



29.6014, 0.3152, 0.4196

Triad

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



29.6014, 0.3677, 0.4267



29.6014, 0.2148, 0.2776



29.6014, 0.3581, 0.2842

Complementary

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



29.6014, 0.3677, 0.4267



12.1272, 0.2441, 0.2110

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.



29.6014, 0.3025, 0.2559



29.6014, 0.3677, 0.4267



29.6014, 0.2237, 0.2498

Square

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



29.6014, 0.3677, 0.4267



29.6014, 0.2288, 0.3250



29.6014, 0.2542, 0.2433



29.6014, 0.4033, 0.3231

Rectangle

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



29.6014, 0.3677, 0.4267



29.6014, 0.2804, 0.3961



29.6014, 0.2542, 0.2433



29.6014, 0.3398, 0.2733

Sweetspot

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



29.6027, 0.3677, 0.4267



54.2733, 0.3295, 0.3584



15.2635, 0.4089, 0.3328



12.3126, 0.3311, 0.3612



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



29.6027, 0.3677, 0.4267



51.7639, 0.3785, 0.4466



27.1694, 0.3353, 0.4382



7.2073, 0.3253, 0.3510



23.8402, 0.4109, 0.5119



0.3605, 0.4149, 0.5087

Inverse Universe

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



12.1272, 0.2441, 0.2110



16.6360, 0.2261, 0.1809



13.9973, 0.2796, 0.2217



6.0402, 0.2995, 0.3061



1.9457, 0.1521, 0.0612



0.0325, 0.1625, 0.0669

Previews

White Background



This preview shows how the Yxy color 29.6014, 0.3677, 0.4267 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 29.6014, 0.3677, 0.4267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

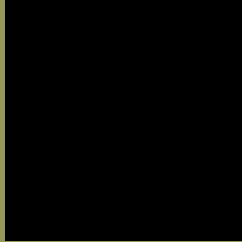
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6014, 0.3677, 0.4267

Background



This preview shows how black text looks on a background with the Yxy color 29.6014, 0.3677, 0.4267.



This preview shows how white text looks on a background with the Yxy color 29.6014, 0.3677, 0.4267.

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

29.6014, 0.3677, 0.4267

Protanopia

29.5825, 0.3866, 0.4190

Deuteranopia

29.3050, 0.4057, 0.3981



Tritanopia

29.4147, 0.3136, 0.3107

Trichromacy



Original Color

29.6014, 0.3677, 0.4267

Protanomaly

29.4012, 0.3793, 0.4209

Deuteranomaly

29.2390, 0.3914, 0.4088

Tritanomaly

29.3057, 0.3339, 0.3528

Monochromacy



Original Color

29.6014, 0.3677, 0.4267

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.4591, 0.3333, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6014, 0.3677, 0.4267 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(149, 152, 91)` looks like.

```
.text, #text, p{  
    color:rgb(149, 152, 91)  
}
```

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(149, 152, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 152, 91) }
```

Border

The CSS property to change the border of an element to Yxy 29.6014, 0.3677, 0.4267 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(149, 152, 91) }
```

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

```
.border{ border-color:rgb(149, 152, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 152, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 152, 91); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 152, 91); box-shadow:4px 4px 4px 4px rgb(149, 152, 91) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6014, 0.3677, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 152, 91) }
```

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

```
.background{ background-color: rgb(149,  
152, 91) }
```

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