

Converting Colors

$Y_{xy}(29.5029, 0.3579, 0.4668)$

Have a look what the booklet for
Yxy(29.5029, 0.3579, 0.4668)
contains.

Yxy(29.3678, 0.3574, 0.4659)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.3678, 0.3574, 0.4659)

Conversions

Conversions Part 1

Format	Color
Hex	829D4B
RGB	130, 157, 75
RGB Percent	51%, 62%, 29%
CMY	0.4903, 0.3843, 0.7059
CMYK	0.17, 0.00, 0.52, 0.38
HSL	80°, 35%, 45%
HSV	80°, 52%, 62%
XYZ	22.5286, 29.3678, 11.1382
YIQ	139.5790, 10.2300, -31.2260

Conversions

Conversions Part 2

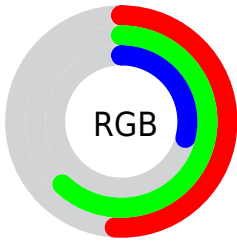
Format	Color
RYB	75, 157, 102
Decimal	8559947
CIELab	61.10, -22.91, 39.40
CIElCh	61, 45.581, 120.180
Yxy	29.3678, 0.3574, 0.4659
Android (android.graphics.Color)	4286750027 (0xFF829D4B)
YUV	139.5790, -31.8374, -8.4008
Hunter-Lab	54.1921, -20.6307, 25.7485

Details

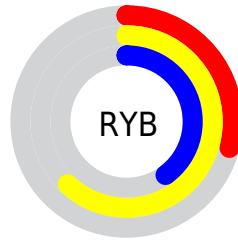
The Yxy color $29.3678, 0.3574, 0.4659$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $10.2956, 0.2449, 0.1790$, and the grayscale version is $26.1746, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.7837, 0.3501, 0.4372$, and $11.9980, 0.3642, 0.5159$ is the 20% darker color. If you saturate the color by 10%, you get $28.7808, 0.3627, 0.4905$, and if you desaturate by 10%, it is $30.0311, 0.3504, 0.4394$.

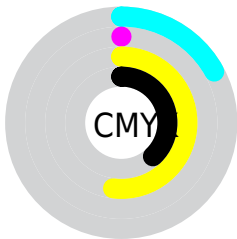
Distribution



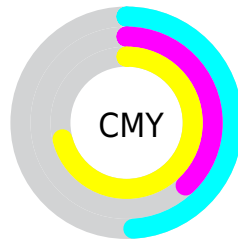
- Red (51%)
- Green (62%)
- Blue (29%)



- Red (29%)
- Yellow (62%)
- Blue (40%)



- Cyan (17%)
- Magenta (0%)
- Yellow (52%)
- Black (38%)




- Cyan (49%)
- Magenta (38%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3678, 0.3574, 0.4659 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 29.3678, 0.3574, 0.4659 by changing the saturation by 10% instead.


 29.3678, 0.3574,
0.4659


 29.3678, 0.3574,
0.4659


298.9464, 0.3366,
0.3902

 19.3592, 0.3612,
0.4868


 58.6609, 0.3506,
0.4368


 11.9301, 0.3647,
0.5144


 78.7143, 0.3478,
0.4263


 6.6961, 0.3662,
0.5518


 102.8847, 0.3453,
0.4176

 3.2728, 0.3741,
0.6259

 131.5566, 0.3431,
0.4104

 1.2758, 0.3232,
0.6768

 165.1143, 0.3412,
0.4042

 0.1223, 0.0000,
1.0000

203.9422, 0.3395,

 0.0000, 0.0000,

0.3988

0.0000

248.4248, 0.3379,
0.3942

■ 29.3678, 0.3574,
0.4659

■ 29.3678, 0.3574,
0.4659

■ 28.7808, 0.3627,
0.4905

■ 30.0311, 0.3504,
0.4394

■ 28.2619, 0.3659,
0.5121

■ 30.7707, 0.3422,
0.4121

■ 27.8075, 0.3668,
0.5295

■ 31.5913, 0.3333,
0.3851

■ 27.4120, 0.3653,
0.5423

■ 32.4963, 0.3240,
0.3590

■ 27.1349, 0.3630,
0.5500

■ 33.4889, 0.3148,
0.3343

■ 34.5718, 0.3057,
0.3113

■ 35.7478, 0.2970,
0.2903

■ 37.0197, 0.2888,
0.2711

■ 38.3898, 0.2812,
0.2538

Harmonies

Analogous

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



29.3678, 0.4204, 0.4428



29.3678, 0.3574, 0.4659



29.3678, 0.2861, 0.4403

Triad

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



29.3678, 0.3574, 0.4659



29.3678, 0.1854, 0.2411



29.3678, 0.4013, 0.2871

Complementary

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



29.3678, 0.3574, 0.4659



10.2956, 0.2449, 0.1790

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.



29.3678, 0.3266, 0.2452



29.3678, 0.3574, 0.4659



29.3678, 0.2074, 0.2179

Square

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



29.3678, 0.3574, 0.4659



29.3678, 0.1911, 0.2937



29.3678, 0.2561, 0.2206



29.3678, 0.4513, 0.3393

Rectangle

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



29.3678, 0.3574, 0.4659



29.3678, 0.2436, 0.3963



29.3678, 0.2561, 0.2206



29.3678, 0.3776, 0.2716

Sweetspot

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



29.3691, 0.3574, 0.4659



57.5079, 0.3278, 0.3695



16.9798, 0.4339, 0.3716



12.5870, 0.3296, 0.3744



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



29.3691, 0.3574, 0.4659



51.3405, 0.3635, 0.4951



26.8020, 0.3176, 0.4850



7.6107, 0.3213, 0.3514



22.0552, 0.3634, 0.5496



0.4163, 0.3870, 0.5310

Inverse Universe

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



10.2956, 0.2449, 0.1790



13.2999, 0.2253, 0.1433



13.2164, 0.2976, 0.1991



6.5362, 0.3036, 0.3062



2.5839, 0.1759, 0.0743



0.0679, 0.2203, 0.0987

Previews

White Background



This preview shows how the Yxy color 29.3678, 0.3574, 0.4659 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 29.3678, 0.3574, 0.4659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

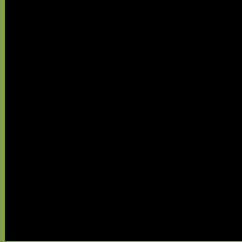
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3678, 0.3574, 0.4659

Background



This preview shows how black text looks on a background with the Yxy color 29.3678, 0.3574, 0.4659.



This preview shows how white text looks on a background with the Yxy color 29.3678, 0.3574, 0.4659.

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

29.3678, 0.3574, 0.4659

Protanopia

29.1218, 0.4036, 0.4401

Deuteranopia

29.0240, 0.4226, 0.4142



Tritanopia

29.3806, 0.2946, 0.3101

Trichromacy



Original Color

29.3678, 0.3574, 0.4659

Protanomaly

29.1936, 0.3860, 0.4502

Deuteranomaly

28.7892, 0.3981, 0.4316

Tritanomaly

29.0366, 0.3191, 0.3656

Monochromacy



Original Color

29.3678, 0.3574, 0.4659

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.0530, 0.3315, 0.3803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3678, 0.3574, 0.4659 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(130, 157, 75)` looks like.

```
.text, #text, p{  
    color:rgb(130, 157, 75)  
}
```

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(130, 157, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 157, 75) }
```

Border

The CSS property to change the border of an element to Yxy 29.3678, 0.3574, 0.4659 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(130, 157, 75) }
```

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

```
.border{ border-color:rgb(130, 157, 75) }
```

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

Here you see how a box with a 4 pixel rgb(130, 157, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 157, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 157, 75);  
box-shadow:4px 4px 4px 4px rgb(130, 157,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3678, 0.3574, 0.4659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 157, 75) }
```

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

```
.background{ background-color: rgb(130,  
157, 75) }
```

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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