

Converting Colors

$Yxy(29.2912, 0.3342, 0.4588)$

Have a look what the booklet for
Yxy(29.2912, 0.3342, 0.4588)
contains.

Yxy(29.1652, 0.3344, 0.4592)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(29.1652, 0.3344, 0.4592)$

Conversions

Conversions Part 1

Format	Color
Hex	749F55
RGB	116, 159, 85
RGB Percent	45%, 62%, 33%
CMY	0.5452, 0.3764, 0.6666
CMYK	0.27, 0.00, 0.47, 0.38
HSL	95°, 30%, 48%
HSV	95°, 47%, 62%
XYZ	21.2388, 29.1652, 13.1091
YIQ	137.7070, -1.8740, -32.1300

Conversions

Conversions Part 2

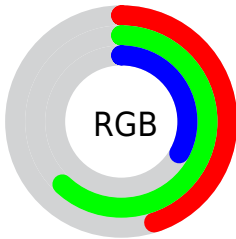
Format	Color
RYB	85, 159, 128
Decimal	7642965
CIELab	60.93, -28.17, 33.88
CIELCh	61, 44.058, 129.745
Yxy	29.1652, 0.3344, 0.4592
Android (android.graphics.Color)	4285833045 (0xFF749F55)
YUV	137.7070, -25.9846, -19.0370
Hunter-Lab	54.0048, -24.3088, 23.4114

Details

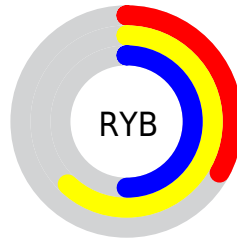
The Yxy color $29.1652, 0.3344, 0.4592$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.5978, 0.2771, 0.2046$, and the grayscale version is $25.3992, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.4168, 0.3322, 0.4306$, and $11.7728, 0.3356, 0.5084$ is the 20% darker color. If you saturate the color by 10%, you get $28.3390, 0.3367, 0.4891$, and if you desaturate by 10%, it is $30.1138, 0.3308, 0.4288$.

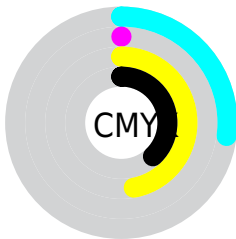
Distribution



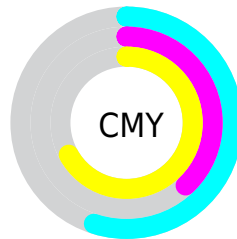
- Red (45%)
- Green (62%)
- Blue (33%)



- Red (33%)
- Yellow (62%)
- Blue (50%)



- Cyan (27%)
- Magenta (0%)
- Yellow (47%)
- Black (38%)





- Cyan (55%)
- Magenta (38%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1652, 0.3344, 0.4592 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 29.1652, 0.3344, 0.4592 by changing the saturation by 10% instead.


 29.1652, 0.3344,
0.4592


 29.1652, 0.3344,
0.4592


297.9936, 0.3254,
0.3860

 19.2058, 0.3354,
0.4803


 58.3395, 0.3319,
0.4305


 11.8191, 0.3355,
0.5089


 78.3231, 0.3307,
0.4204


 6.6206, 0.3330,
0.5495


 102.4170, 0.3296,
0.4121

 3.2260, 0.3359,
0.6339

 131.0055, 0.3286,
0.4051

 1.2508, 0.2698,
0.7302

 164.4730, 0.3277,
0.3992

 0.1026, 0.0000,
1.0000

203.2040, 0.3268,

 0.0000, 0.0000,

0.3942

0.0000

247.5827, 0.3261,
0.3898

■ 29.1652, 0.3344,
0.4592

■ 29.1652, 0.3344,
0.4592

■ 28.3390, 0.3367,
0.4891

■ 30.1138, 0.3308,
0.4288

■ 27.6257, 0.3374,
0.5170

■ 31.1864, 0.3264,
0.3991

■ 27.0204, 0.3363,
0.5413


■ 32.3889, 0.3214,
0.3709


■ 26.5161, 0.3333,
0.5606

■ 33.7262, 0.3162,
0.3448

■ 26.1031, 0.3286,
0.5743


■ 35.2025, 0.3109,
0.3210

 25.9753, 0.3270,
0.5786

 36.8220, 0.3057,
0.2995

 38.5886, 0.3007,
0.2803

 40.5063, 0.2959,
0.2632

 42.5785, 0.2914,
0.2480

Harmonies

Analogous

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



29.1652, 0.4001, 0.4506



29.1652, 0.3344, 0.4592



29.1652, 0.2665, 0.4180

Triad

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



29.1652, 0.3344, 0.4592



29.1652, 0.1927, 0.2335



29.1652, 0.4179, 0.3039

Complementary

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



29.1652, 0.3344, 0.4592



13.5978, 0.2771, 0.2046

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.



29.1652, 0.3502, 0.2590



29.1652, 0.3344, 0.4592



29.1652, 0.2227, 0.2192

Square

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



29.1652, 0.3344, 0.4592



29.1652, 0.1896, 0.2756



29.1652, 0.2779, 0.2289



29.1652, 0.4538, 0.3566

Rectangle

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



29.1652, 0.3344, 0.4592



29.1652, 0.2292, 0.3699



29.1652, 0.2779, 0.2289



29.1652, 0.3976, 0.2877

Sweetspot

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



29.1665, 0.3344, 0.4592



58.5201, 0.3203, 0.3648



23.1933, 0.4017, 0.3961



13.0871, 0.3213, 0.3703



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.



29.1665, 0.3344, 0.4592



50.6739, 0.3368, 0.4907



27.4687, 0.3025, 0.4618



7.5298, 0.3176, 0.3517



20.5376, 0.3276, 0.5781



0.3915, 0.3601, 0.5523

Inverse Universe

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



13.5978, 0.2771, 0.2046



19.2301, 0.2662, 0.1761



16.2082, 0.3244, 0.2248



6.6162, 0.3074, 0.3065



3.8187, 0.2210, 0.0991



0.0928, 0.2618, 0.1216

Previews

White Background



This preview shows how the Yxy color 29.1652, 0.3344, 0.4592 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 29.1652, 0.3344, 0.4592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

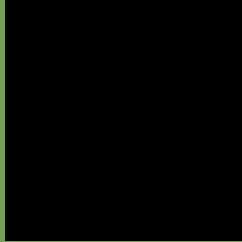
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1652, 0.3344, 0.4592

Background



This preview shows how black text looks on a background with the Yxy color 29.1652, 0.3344, 0.4592.



This preview shows how white text looks on a background with the Yxy color 29.1652, 0.3344, 0.4592.

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

29.1652, 0.3344, 0.4592

Protanopia

29.0386, 0.3935, 0.4293

Deuteranopia

28.8415, 0.4083, 0.4012



Tritanopia

29.0105, 0.2809, 0.3095

Trichromacy



Original Color

29.1652, 0.3344, 0.4592

Protanomaly

28.7622, 0.3717, 0.4406

Deuteranomaly

28.5406, 0.3801, 0.4220

Tritanomaly

28.7888, 0.3014, 0.3615

Monochromacy



Original Color

29.1652, 0.3344, 0.4592

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.6355, 0.3221, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1652, 0.3344, 0.4592 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(116, 159, 85)` looks like.

```
.text, #text, p{  
    color:rgb(116, 159, 85)  
}
```

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(116, 159, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 159, 85) }
```

Border

The CSS property to change the border of an element to Yxy 29.1652, 0.3344, 0.4592 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(116, 159, 85) }
```

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

```
.border{ border-color:rgb(116, 159, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 159, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 159, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 159, 85);  
box-shadow:4px 4px 4px 4px rgb(116, 159,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1652, 0.3344, 0.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 159, 85) }
```

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

```
.background{ background-color: rgb(116,  
159, 85) }
```

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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