

Converting Colors

$Y_{xy}(29.2699, 0.2838, 0.4525)$

Have a look what the booklet for
Yxy(29.2699, 0.2838, 0.4525)
contains.

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Color

Yxy(29.1151, 0.2838, 0.4525)

Conversions

Conversions Part 1

Format	Color
Hex	45A565
RGB	69, 165, 101
RGB Percent	27%, 65%, 40%
CMY	0.7292, 0.3529, 0.6039
CMYK	0.58, 0.00, 0.39, 0.35
HSL	140°, 41%, 46%
HSV	140°, 58%, 65%
XYZ	18.2605, 29.1151, 16.9672
YIQ	129.0000, -36.6720, -40.2560

Conversions

Conversions Part 2

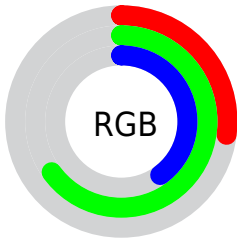
Format	Color
RYB	69, 141, 165
Decimal	4564325
CIELab	60.88, -42.88, 24.93
CIElCh	61, 49.603, 149.826
Yxy	29.1151, 0.2838, 0.4525
Android (android.graphics.Color)	4282754405 (0xFF45A565)
YUV	129.0000, -13.8040, -52.6200
Hunter-Lab	53.9584, -34.0197, 19.1272

Details

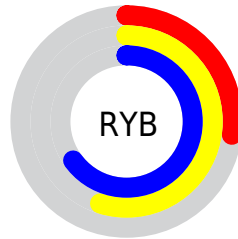
The Yxy color **29.1151, 0.2838, 0.4525** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.9562, 0.3673, 0.2342**, and the grayscale version is **22.0164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3728, 0.2909, 0.4238**, and **11.8454, 0.2728, 0.5020** is the 20% darker color. If you saturate the color by 10%, you get **28.3925, 0.2819, 0.4780**, and if you desaturate by 10%, it is **30.0368, 0.2871, 0.4274**.

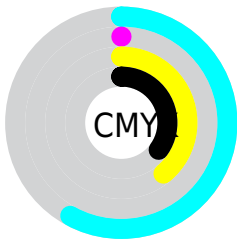
Distribution



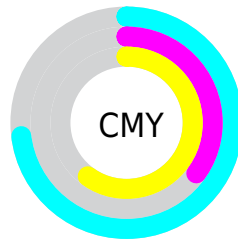
- Red (27%)
- Green (65%)
- Blue (40%)



- Red (27%)
- Yellow (55%)
- Blue (65%)



- Cyan (58%)
- Magenta (0%)
- Yellow (39%)
- Black (35%)





- Cyan (73%)
- Magenta (35%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1151, 0.2838, 0.4525 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 29.1151, 0.2838, 0.4525 by changing the saturation by 10% instead.

 29.1151, 0.2838,
0.4525


 29.1151, 0.2838,
0.4525


297.7576, 0.3017,
0.3817

 19.1679, 0.2778,
0.4738


 58.2599, 0.2913,
0.4242


 11.7917, 0.2689,
0.5036

 78.2263, 0.2938,
0.4144


 6.6020, 0.2547,
0.5480


 102.3012, 0.2958,
0.4064

 3.2145, 0.2298,
0.6207

 130.8691, 0.2974,
0.3998

 1.2447, 0.0732,
0.9268

 164.3143, 0.2988,
0.3942

 0.0978, 0.0000,
1.0000

203.0212, 0.2999,

 0.0000, 0.0000,

0.3894

0.0000

247.3742, 0.3009,
0.3853

■ 29.1151, 0.2838,
0.4525

■ 29.1151, 0.2838,
0.4525

■ 28.3925, 0.2819,
0.4780

■ 30.0368, 0.2871,
0.4274

■ 27.8500, 0.2815,
0.5028

■ 31.1677, 0.2914,
0.4034

■ 27.4709, 0.2829,
0.5259

■ 32.5215, 0.2966,
0.3811

■ 27.2246, 0.2856,
0.5464

■ 34.1096, 0.3021,
0.3608

■ 27.1851, 0.2861,
0.5499

■ 35.9428, 0.3079,
0.3424

■ 38.0311, 0.3138,
0.3261

■ 40.3838, 0.3196,
0.3118

■ 43.0100, 0.3252,
0.2992

■ 45.9180, 0.3305,
0.2882

Harmonies

Analogous

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



29.1151, 0.3607, 0.4787



29.1151, 0.2838, 0.4525



29.1151, 0.2189, 0.3746

Triad

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



29.1151, 0.2838, 0.4525



29.1151, 0.1988, 0.2094



29.1151, 0.4635, 0.3381

Complementary

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



29.1151, 0.2838, 0.4525



13.9562, 0.3673, 0.2342

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.



29.1151, 0.4084, 0.2827



29.1151, 0.2838, 0.4525



29.1151, 0.2503, 0.2123

Square

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



29.1151, 0.2838, 0.4525



29.1151, 0.1758, 0.2339



29.1151, 0.3264, 0.2384



29.1151, 0.4691, 0.3970

Rectangle

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



29.1151, 0.2838, 0.4525



29.1151, 0.1907, 0.3163



29.1151, 0.3264, 0.2384



29.1151, 0.4500, 0.3189

Sweetspot

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



29.1163, 0.2838, 0.4525



61.3479, 0.3026, 0.3591



32.4591, 0.3622, 0.4806



13.2865, 0.3015, 0.3628



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.1163, 0.2838, 0.4525



50.5122, 0.2816, 0.4858



30.2962, 0.2525, 0.3606



7.9321, 0.3073, 0.3444



20.5746, 0.2856, 0.5481



0.4408, 0.2650, 0.4740

Inverse Universe

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



13.9562, 0.3673, 0.2342



20.7129, 0.3852, 0.2194



12.9436, 0.4531, 0.3030



7.1619, 0.3186, 0.3141



6.9139, 0.4248, 0.2114



0.1535, 0.3792, 0.1863

Previews

White Background



This preview shows how the Yxy color 29.1151, 0.2838, 0.4525 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 29.1151, 0.2838, 0.4525 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 29.1151, 0.2838, 0.4525

Background



This preview shows how black text looks on a background with the Yxy color 29.1151, 0.2838, 0.4525.



This preview shows how white text looks on a background with the Yxy color 29.1151, 0.2838, 0.4525.

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

29.1151, 0.2838, 0.4525

Protanopia

28.7190, 0.3806, 0.4116

Deuteranopia

28.7019, 0.3857, 0.3783



Tritanopia

29.0532, 0.2467, 0.3084

Trichromacy



Original Color

29.1151, 0.2838, 0.4525



Protanomaly

28.0626, 0.3376, 0.4285



Deuteranomaly

27.6657, 0.3403, 0.4043



Tritanomaly

28.9046, 0.2600, 0.3579

Monochromacy



Original Color

29.1151, 0.2838, 0.4525



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

23.8037, 0.2983, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1151, 0.2838, 0.4525 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(69, 165, 101)` looks like.

```
.text, #text, p{  
    color:rgb(69, 165, 101)  
}
```

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(69, 165, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 165, 101) }
```

Border

The CSS property to change the border of an element to Yxy 29.1151, 0.2838, 0.4525 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(69, 165, 101) }
```

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

```
.border{ border-color:rgb(69, 165, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 165, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 165, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 165, 101);  
box-shadow:4px 4px 4px 4px rgb(69, 165,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1151, 0.2838, 0.4525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 165, 101) }
```

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

```
.background{ background-color: rgb(69, 165,  
101) }
```

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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