

Converting Colors

$Y_{xy}(29.8478, 0.3200, 0.4527)$

Have a look what the booklet for
Yxy(29.8478, 0.3200, 0.4527)
contains.

Yxy(29.8191, 0.3199, 0.4525)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.8191, 0.3199, 0.4525)

Conversions

Conversions Part 1

Format	Color
Hex	6CA25D
RGB	108, 162, 93
RGB Percent	42%, 64%, 36%
CMY	0.5764, 0.3647, 0.6353
CMYK	0.33, 0.00, 0.43, 0.36
HSL	107°, 27%, 50%
HSV	107°, 43%, 64%
XYZ	21.0810, 29.8191, 14.9985
YIQ	137.9880, -10.0350, -32.9070

Conversions

Conversions Part 2

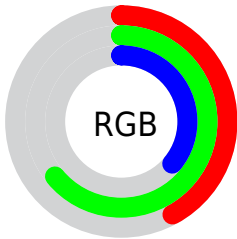
Format	Color
R_{YB}	93, 162, 147
Decimal	7119453
CIE _{Lab}	61.50, -31.38, 30.33
CIE _{LCh}	61, 43.642, 135.981
Yxy	29.8191, 0.3199, 0.4525
Android (android.graphics.Color)	4285309533 (0xFF6CA25D)
YUV	137.9880, -22.1791, -26.2995
Hunter-Lab	54.6069, -26.6522, 21.9400

Details

The Yxy color **29.8191, 0.3199, 0.4525** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.6380, 0.2983, 0.2209**, and the grayscale version is **25.5009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2164, 0.3199, 0.4253**, and **12.2112, 0.3173, 0.5009** is the 20% darker color. If you saturate the color by 10%, you get **28.8252, 0.3201, 0.4855**, and if you desaturate by 10%, it is **30.9919, 0.3189, 0.4200**.

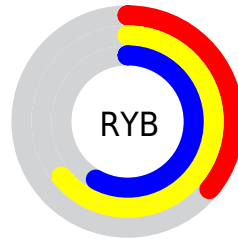
Distribution



Red (42%)

Green (64%)

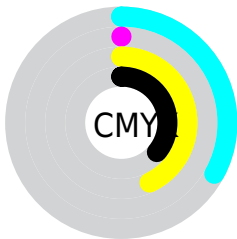
Blue (36%)



Red (36%)

Yellow (64%)

Blue (58%)

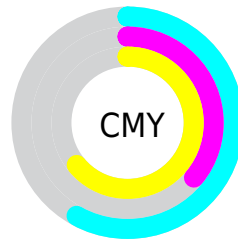


Cyan (33%)

Magenta (0%)

Yellow (43%)

Black (36%)



Cyan (58%)


Magenta (36%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8191, 0.3199, 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 29.8191, 0.3199, 0.4525 by changing the saturation by 10% instead.


 29.8191, 0.3199,
0.4525


 29.8191, 0.3199,
0.4525


301.0603, 0.3184,
0.3828


 19.7013, 0.3191,
0.4728


 59.3760, 0.3201,
0.4251


 12.1781, 0.3170,
0.5007


 79.5839, 0.3199,
0.4154

 6.8651, 0.3121,
0.5409


 103.9239, 0.3197,
0.4075

 3.3779, 0.3039,
0.6109

 132.7805, 0.3194,
0.4009

 1.3321, 0.2499,
0.7501

166.5381, 0.3192,
0.3953

 0.1658, 0.0000,
1.0000

205.5809, 0.3189,

 0.0000, 0.0000,

0.3906

0.0000

250.2936, 0.3187,
0.3864

■ 29.8191, 0.3199,
0.4525

■ 29.8191, 0.3199,
0.4525

■ 28.8252, 0.3201,
0.4855

■ 30.9919, 0.3189,
0.4200

■ 27.9975, 0.3194,
0.5172

■ 32.3481, 0.3174,
0.3892

■ 27.3278, 0.3176,
0.5455


■ 33.8964, 0.3154,
0.3608

■ 26.8052, 0.3147,
0.5686


■ 35.6443, 0.3133,
0.3352

■ 26.4176, 0.3111,
0.5848

■ 37.5984, 0.3110,
0.3124

 26.2032, 0.3084,
0.5933

 39.7654, 0.3088,
0.2922

 42.1515, 0.3066,
0.2746

 44.7626, 0.3045,
0.2591

 47.6044, 0.3024,
0.2456

Harmonies

Analogous

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



29.8191, 0.3865, 0.4539



29.8191, 0.3199, 0.4525



29.8191, 0.2549, 0.4027

Triad

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



29.8191, 0.3199, 0.4525



29.8191, 0.1984, 0.2299



29.8191, 0.4268, 0.3148

Complementary

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



29.8191, 0.3199, 0.4525



16.6380, 0.2983, 0.2209

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.



29.8191, 0.3647, 0.2682



29.8191, 0.3199, 0.4525



29.8191, 0.2334, 0.2209

Square

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



29.8191, 0.3199, 0.4525



29.8191, 0.1898, 0.2656



29.8191, 0.2924, 0.2350



29.8191, 0.4533, 0.3675

Rectangle

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



29.8191, 0.3199, 0.4525



29.8191, 0.2212, 0.3534



29.8191, 0.2924, 0.2350



29.8191, 0.4090, 0.2983

Sweetspot

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



29.8204, 0.3199, 0.4525



61.3415, 0.3156, 0.3626



28.9988, 0.3841, 0.4104



13.6373, 0.3160, 0.3684



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.



29.8204, 0.3199, 0.4525



52.4328, 0.3201, 0.4834



29.3247, 0.2929, 0.4226



7.9659, 0.3147, 0.3520



20.6591, 0.3089, 0.5929



0.4528, 0.3327, 0.5740

Inverse Universe

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



16.6380, 0.2983, 0.2209



25.2899, 0.2938, 0.1979



17.5106, 0.3418, 0.2513



7.1241, 0.3104, 0.3066



5.6140, 0.2674, 0.1247



0.1363, 0.2880, 0.1360

Previews

White Background



This preview shows how the Yxy color 29.8191, 0.3199, 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 29.8191, 0.3199, 0.4525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

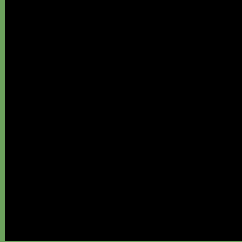
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8191, 0.3199, 0.4525

Background



This preview shows how black text looks on a background with the Yxy color 29.8191, 0.3199, 0.4525.



This preview shows how white text looks on a background with the Yxy color 29.8191, 0.3199, 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

29.8191, 0.3199, 0.4525

Protanopia

29.5658, 0.3875, 0.4204

Deuteranopia

29.2787, 0.3994, 0.3916



Tritanopia

29.9293, 0.2722, 0.3094

Trichromacy



Original Color

29.8191, 0.3199, 0.4525

Protanomaly

29.2714, 0.3603, 0.4324

Deuteranomaly

29.0148, 0.3680, 0.4137

Tritanomaly

29.6910, 0.2899, 0.3599

Monochromacy



Original Color

29.8191, 0.3199, 0.4525

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.7846, 0.3158, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8191, 0.3199, 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(108, 162, 93)` looks like.

```
.text, #text, p{  
    color:rgb(108, 162, 93)  
}
```

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(108, 162, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 162, 93) }
```

Border

The CSS property to change the border of an element to Yxy 29.8191, 0.3199, 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(108, 162, 93) }
```

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

```
.border{ border-color:rgb(108, 162, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 162, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 162, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 162, 93);  
box-shadow:4px 4px 4px 4px rgb(108, 162,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8191, 0.3199, 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(108, 162, 93) }
```

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

```
.background{ background-color: rgb(108,  
162, 93) }
```

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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