

Converting Colors

$Y_{xy}(29.1921, 0.3465, 0.5216)$

Have a look what the booklet for
Yxy(29.1921, 0.3465, 0.5216)
contains.

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Color

Yxy(29.1182, 0.3469, 0.5208)

Conversions

Conversions Part 1

Format	Color
Hex	6AA230
RGB	106, 162, 48
RGB Percent	42%, 64%, 19%
CMY	0.5844, 0.3647, 0.8117
CMYK	0.35, 0.00, 0.70, 0.36
HSL	89°, 54%, 41%
HSV	89°, 70%, 64%
XYZ	19.3954, 29.1182, 7.3970
YIQ	132.2600, 3.2180, -47.3260

Conversions

Conversions Part 2

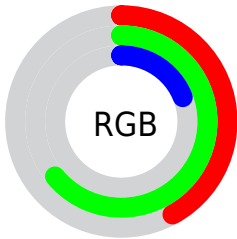
Format	Color
R_{YB}	48, 162, 104
Decimal	6988336
CIE Lab	60.89, -37.04, 50.95
CIE LCh	61, 62.993, 126.012
Yxy	29.1182, 0.3469, 0.5208
Android (android.graphics.Color)	4285178416 (0xFF6AA230)
YUV	132.2600, -41.5402, -23.0300
Hunter-Lab	53.9613, -30.2738, 29.6455

Details

The Yxy color **29.1182, 0.3469, 0.5208** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.6721, 0.2377, 0.1372**, and the grayscale version is **23.3246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1424, 0.3450, 0.4792**, and **11.8819, 0.3362, 0.5713** is the 20% darker color. If you saturate the color by 10%, you get **28.5438, 0.3459, 0.5420**, and if you desaturate by 10%, it is **29.7893, 0.3458, 0.4956**.

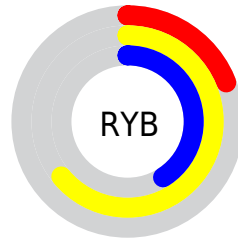
Distribution



Red (42%)

Green (64%)

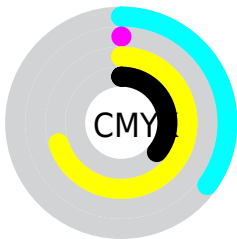
Blue (19%)



Red (19%)

Yellow (64%)

Blue (41%)

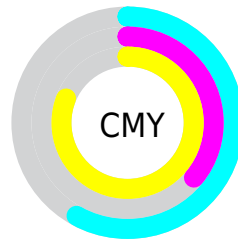


Cyan (35%)

Magenta (0%)

Yellow (70%)

Black (36%)



Cyan (58%)


Magenta (36%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1182, 0.3469, 0.5208 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 29.1182, 0.3469, 0.5208 by changing the saturation by 10% instead.


 29.1182, 0.3469,
0.5208


 29.1182, 0.3469,
0.5208


297.7723, 0.3355,
0.4136


 19.1703, 0.3460,
0.5499


 58.2648, 0.3450,
0.4797

 11.7934, 0.3416,
0.5874


 78.2323, 0.3436,
0.4648


 6.6031, 0.3358,
0.6484


 102.3084, 0.3420,
0.4525

 3.2152, 0.3002,
0.6998

 130.8775, 0.3405,
0.4422

 1.2451, 0.1623,
0.8377

 164.3241, 0.3391,
0.4334

 0.0981, 0.0000,
1.0000

 203.0325, 0.3378,

 0.0000, 0.0000,

0.4259

0.0000

247.3871, 0.3366,
0.4193

■ 29.1182, 0.3469,
0.5208

■ 29.1182, 0.3469,
0.5208

■ 28.5438, 0.3459,
0.5420

■ 29.7893, 0.3458,
0.4956

■ 28.0555, 0.3428,
0.5581

■ 30.5594, 0.3427,
0.4676

■ 27.6534, 0.3384,
0.5695

■ 31.4349, 0.3382,
0.4385

■ 32.4208, 0.3326,
0.4093

■ 33.5216, 0.3263,
0.3811

■ 34.7416, 0.3197,
0.3545

■ 36.0847, 0.3130,
0.3298

■ 37.5548, 0.3063,
0.3073

■ 39.1555, 0.3000,
0.2870

Harmonies

Analogous

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



29.1182, 0.4355, 0.4867



29.1182, 0.3469, 0.5208



29.1182, 0.2544, 0.4744

Triad

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



29.1182, 0.3469, 0.5208



29.1182, 0.1506, 0.2017



29.1182, 0.4524, 0.2831

Complementary

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



29.1182, 0.3469, 0.5208



7.6721, 0.2377, 0.1372

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.



29.1182, 0.3503, 0.2280



29.1182, 0.3469, 0.5208



29.1182, 0.1838, 0.1823

Square

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



29.1182, 0.3469, 0.5208



29.1182, 0.1494, 0.2593



29.1182, 0.2514, 0.1925



29.1182, 0.5091, 0.3488

Rectangle

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



29.1182, 0.3469, 0.5208



29.1182, 0.2031, 0.4016



29.1182, 0.2514, 0.1925



29.1182, 0.4210, 0.2631

Sweetspot

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



29.1195, 0.3469, 0.5208



60.6308, 0.3270, 0.3840



17.6199, 0.4715, 0.4093



13.4966, 0.3287, 0.3913



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.



29.1195, 0.3469, 0.5208



51.3299, 0.3445, 0.5511



26.7334, 0.3033, 0.5491



8.0637, 0.3189, 0.3517



21.8094, 0.3390, 0.5690



0.4863, 0.3678, 0.5462

Inverse Universe

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



7.6721, 0.2377, 0.1372



9.9568, 0.2182, 0.1068



12.2098, 0.3171, 0.1752



7.0229, 0.3060, 0.3063



3.4123, 0.2026, 0.0890



0.0998, 0.2444, 0.1120

Previews

White Background



This preview shows how the Yxy color 29.1182, 0.3469, 0.5208 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 29.1182, 0.3469, 0.5208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

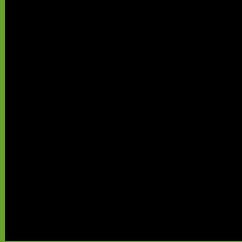
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1182, 0.3469, 0.5208

Background



This preview shows how black text looks on a background with the Yxy color 29.1182, 0.3469, 0.5208.



This preview shows how white text looks on a background with the Yxy color 29.1182, 0.3469, 0.5208.

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

29.1182, 0.3469, 0.5208

Protanopia

28.9418, 0.4244, 0.4689

Deuteranopia

28.6958, 0.4452, 0.4370



Tritanopia

28.9151, 0.2749, 0.3093

Trichromacy



Original Color

29.1182, 0.3469, 0.5208

Protanomaly

28.4856, 0.3951, 0.4888

Deuteranomaly

27.9945, 0.4075, 0.4675

Tritanomaly

28.5362, 0.3051, 0.3892

Monochromacy



Original Color

29.1182, 0.3469, 0.5208

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.7955, 0.3326, 0.4054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1182, 0.3469, 0.5208 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(106, 162, 48)` looks like.

```
.text, #text, p{  
    color:rgb(106, 162, 48)  
}
```

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(106, 162, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 162, 48) }
```

Border

The CSS property to change the border of an element to Yxy 29.1182, 0.3469, 0.5208 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(106, 162, 48) }
```

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

```
.border{ border-color:rgb(106, 162, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 162, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 162, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 162, 48);  
box-shadow:4px 4px 4px 4px rgb(106, 162,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1182, 0.3469, 0.5208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 162, 48) }
```

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

```
.background{ background-color: rgb(106,  
162, 48) }
```

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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