

Converting Colors

$Y_{xy}(29.2892, 0.3557, 0.5293)$

Have a look what the booklet for
Yxy(29.2892, 0.3557, 0.5293)
contains.

Yxy(29.2892, 0.3557, 0.5293)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(29.2892, 0.3557, 0.5293)$

Conversions

Conversions Part 1

Format	Color
Hex	6EA225
RGB	110, 162, 37
RGB Percent	43%, 64%, 15%
CMY	0.5687, 0.3647, 0.8550
CMYK	0.32, 0.00, 0.77, 0.36
HSL	85°, 63%, 39%
HSV	85°, 77%, 64%
XYZ	19.6829, 29.2892, 6.3636
YIQ	132.2020, 9.1330, -49.8990

Conversions

Conversions Part 2

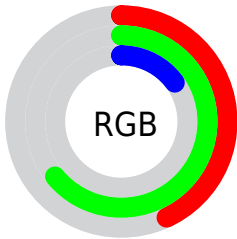
Format	Color
R_{YB}	37, 162, 89
Decimal	7250469
CIE _{Lab}	61.04, -36.24, 55.21
CIE _{LCh}	61, 66.036, 123.281
Yxy	29.2892, 0.3557, 0.5293
Android (android.graphics.Color)	4285440549 (0xFF6EA225)
YUV	132.2020, -46.9346, -19.4712
Hunter-Lab	54.1195, -29.7898, 30.9121

Details

The Yxy color **29.2892, 0.3557, 0.5293** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.0539, 0.2169, 0.1162**, and the grayscale version is **23.3200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3977, 0.3527, 0.4873**, and **11.9641, 0.3398, 0.5684** is the 20% darker color. If you saturate the color by 10%, you get **28.7944, 0.3541, 0.5459**, and if you desaturate by 10%, it is **29.8646, 0.3550, 0.5080**.

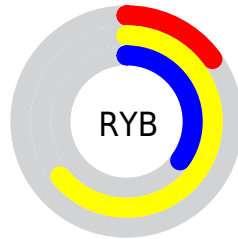
Distribution



Red (43%)

Green (64%)

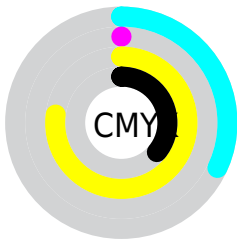
Blue (15%)



Red (15%)

Yellow (64%)

Blue (35%)

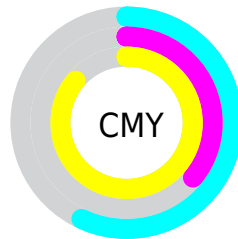


Cyan (32%)

Magenta (0%)

Yellow (77%)

Black (36%)



Cyan (57%)


Magenta (36%)


Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2892, 0.3557, 0.5293 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 29.2892, 0.3557, 0.5293 by changing the saturation by 10% instead.

 29.2892, 0.3557,
0.5293


 29.2892, 0.3557,
0.5293


298.5770, 0.3407,
0.4186


 19.2997, 0.3550,
0.5583


 58.5363, 0.3530,
0.4874

 11.8870, 0.3504,
0.5949


 78.5626, 0.3510,
0.4720

 6.6668, 0.3449,
0.6551


 102.7034, 0.3490,
0.4593

 3.2546, 0.3051,
0.6949

 131.3429, 0.3471,
0.4485

 1.2661, 0.1793,
0.8207

 164.8657, 0.3454,
0.4393

 0.1147, 0.0000,
1.0000

 203.6560, 0.3437,

 0.0000, 0.0000,

0.4315

0.0000

248.0983, 0.3422,
0.4246

■ 29.2892, 0.3557,
0.5293

■ 29.2892, 0.3557,
0.5293

■ 28.7944, 0.3541,
0.5459

■ 29.8646, 0.3550,
0.5080

■ 28.3673, 0.3505,
0.5578

■ 30.5228, 0.3521,
0.4831

■ 28.2547, 0.3493,
0.5608

■ 31.2703, 0.3473,
0.4559

■ 32.1118, 0.3412,
0.4277

■ 33.0517, 0.3340,
0.3994

■ 34.0939, 0.3263,
0.3722

■ 35.2423, 0.3184,
0.3464

■ 36.5003, 0.3105,
0.3224

■ 37.8713, 0.3029,
0.3005

Harmonies

Analogous

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



29.2892, 0.4464, 0.4860



29.2892, 0.3557, 0.5293



29.2892, 0.2593, 0.4906

Triad

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



29.2892, 0.3557, 0.5293



29.2892, 0.1436, 0.2001



29.2892, 0.4502, 0.2751

Complementary

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



29.2892, 0.3557, 0.5293



6.0539, 0.2169, 0.1162

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.



29.2892, 0.3414, 0.2199



29.2892, 0.3557, 0.5293



29.2892, 0.1746, 0.1776

Square

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



29.2892, 0.3557, 0.5293



29.2892, 0.1451, 0.2634



29.2892, 0.2408, 0.1857



29.2892, 0.5152, 0.3417

Rectangle

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



29.2892, 0.3557, 0.5293



29.2892, 0.2046, 0.4165



29.2892, 0.2408, 0.1857



29.2892, 0.4161, 0.2550

Sweetspot

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



29.2905, 0.3557, 0.5293



60.6833, 0.3312, 0.3891



14.6297, 0.5057, 0.3969



13.4864, 0.3338, 0.3987



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.



29.2905, 0.3557, 0.5293



51.6726, 0.3514, 0.5552



26.6413, 0.3074, 0.5631



8.0897, 0.3200, 0.3516



22.2834, 0.3499, 0.5604



0.4950, 0.3756, 0.5400

Inverse Universe

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



6.0539, 0.2169, 0.1162



7.5978, 0.1940, 0.0872



10.3673, 0.3017, 0.1590



6.9972, 0.3049, 0.3062



3.0306, 0.1890, 0.0815



0.0911, 0.2323, 0.1053

Previews

White Background



This preview shows how the Yxy color 29.2892, 0.3557, 0.5293 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 29.2892, 0.3557, 0.5293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

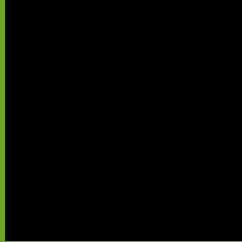
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2892, 0.3557, 0.5293

Background



This preview shows how black text looks on a background with the Yxy color 29.2892, 0.3557, 0.5293.



This preview shows how white text looks on a background with the Yxy color 29.2892, 0.3557, 0.5293.

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

29.2892, 0.3557, 0.5293

Protanopia

28.9766, 0.4310, 0.4762

Deuteranopia

28.8608, 0.4535, 0.4435



Tritanopia

29.2132, 0.2784, 0.3095

Trichromacy



Original Color

29.2892, 0.3557, 0.5293

Protanomaly

28.5917, 0.4027, 0.4964

Deuteranomaly

28.2100, 0.4170, 0.4748

Tritanomaly

28.7201, 0.3125, 0.3957

Monochromacy



Original Color

29.2892, 0.3557, 0.5293

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.7931, 0.3376, 0.4125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2892, 0.3557, 0.5293 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(110, 162, 37)` looks like.

```
.text, #text, p{  
    color:rgb(110, 162, 37)  
}
```

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(110, 162, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 162, 37) }
```

Border

The CSS property to change the border of an element to Yxy 29.2892, 0.3557, 0.5293 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(110, 162, 37) }
```

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

```
.border{ border-color:rgb(110, 162, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 162, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 162, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 162, 37);  
box-shadow:4px 4px 4px 4px rgb(110, 162,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2892, 0.3557, 0.5293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 162, 37) }
```

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

```
.background{ background-color: rgb(110,  
162, 37) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor