

Converting Colors

$Y_{xy}(35.9733, 0.2942, 0.5517)$

Have a look what the booklet for
Yxy(35.9733, 0.2942, 0.5517)
contains.

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Color

Yxy(35.8269, 0.2941, 0.5513)

Conversions

Conversions Part 1

Format	Color
Hex	25BA3B
RGB	37, 186, 59
RGB Percent	15%, 73%, 23%
CMY	0.8548, 0.2706, 0.7686
CMYK	0.80, 0.00, 0.68, 0.27
HSL	129°, 67%, 44%
HSV	129°, 80%, 73%
XYZ	19.1124, 35.8269, 10.0469
YIQ	126.9710, -48.0370, -71.0850

Conversions

Conversions Part 2

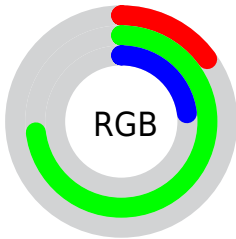
Format	Color
RYB	37, 167, 186
Decimal	2472507
CIELab	66.39, -62.19, 51.67
CIELCh	66, 80.854, 140.278
Yxy	35.8269, 0.2941, 0.5513
Android (android.graphics.Color)	4280662587 (0xFF25BA3B)
YUV	126.9710, -33.5097, -78.9046
Hunter-Lab	59.8556, -47.7505, 31.9470

Details

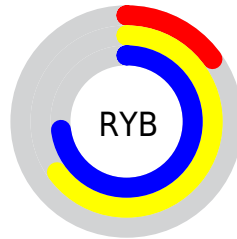
The Yxy color **35.8269, 0.2941, 0.5513** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **14.4461, 0.3517, 0.1840**, and the grayscale version is **21.3474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5222, 0.3031, 0.5032**, and **16.2326, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.4269, 0.2951, 0.5727**, and if you desaturate by 10%, it is **36.4550, 0.2941, 0.5247**.

Distribution



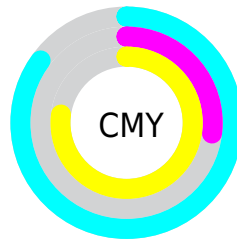
- Red (15%)
- Green (73%)
- Blue (23%)



- Red (15%)
- Yellow (65%)
- Blue (73%)



- Cyan (80%)
- Magenta (0%)
- Yellow (68%)
- Black (27%)





- Cyan (85%)
- Magenta (27%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8269, 0.2941, 0.5513 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 35.8269, 0.2941, 0.5513 by changing the saturation by 10% instead.


 35.8269, 0.2941,
0.5513


 35.8269, 0.2941,
0.5513


328.2033, 0.3118,
0.4264

 24.3005, 0.2858,
0.5858


 68.7648, 0.3031,
0.5030

 15.5567, 0.2725,
0.6311


 90.9451, 0.3057,
0.4857


 9.2110, 0.2501,
0.6918


 117.4456, 0.3076,
0.4714

 4.8791, 0.2143,
0.7857

 148.6505, 0.3089,
0.4595

 2.1765, 0.0865,
0.9135

 184.9444, 0.3099,
0.4493

 0.7071, 0.0000,
1.0000

226.7116, 0.3107,

 0.0000, 0.0000,

0.4406

0.0000

274.3364, 0.3113,
0.4330

■ 35.8269, 0.2941,
0.5513

■ 35.8269, 0.2941,
0.5513

■ 35.4269, 0.2951,
0.5727

■ 36.4550, 0.2941,
0.5247

■ 35.1996, 0.2966,
0.5878

■ 37.3344, 0.2952,
0.4946

■ 38.4899, 0.2971,
0.4632

■ 39.9425, 0.2997,
0.4320

■ 41.7109, 0.3028,
0.4024

■ 43.8122, 0.3060,
0.3752

■ 46.2625, 0.3094,
0.3508

■ 49.0768, 0.3127,
0.3292

■ 52.2690, 0.3158,
0.3103

Harmonies

Analogous

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



35.8269, 0.4008, 0.5397



35.8269, 0.2941, 0.5513



35.8269, 0.1973, 0.4449

Triad

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



35.8269, 0.2941, 0.5513



35.8269, 0.1411, 0.1670



35.8269, 0.5208, 0.3066

Complementary

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



35.8269, 0.2941, 0.5513



14.4461, 0.3517, 0.1840

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.



35.8269, 0.4175, 0.2393



35.8269, 0.2941, 0.5513



35.8269, 0.1949, 0.1633

Square

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



35.8269, 0.2941, 0.5513



35.8269, 0.1228, 0.2071



35.8269, 0.2908, 0.1885



35.8269, 0.5448, 0.3814

Rectangle

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



35.8269, 0.2941, 0.5513



35.8269, 0.1532, 0.3449



35.8269, 0.2908, 0.1885



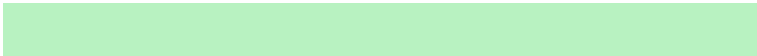
35.8269, 0.4934, 0.2831

Sweetspot

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



35.8284, 0.2941, 0.5513



77.6934, 0.3046, 0.3866



43.3744, 0.3941, 0.5080



16.8143, 0.3034, 0.3965



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



35.8284, 0.2941, 0.5513



63.8975, 0.2964, 0.5846



37.1615, 0.2574, 0.4261



10.0811, 0.3096, 0.3491



23.6878, 0.2962, 0.5863



0.8419, 0.2853, 0.5470

Inverse Universe

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



14.4461, 0.3517, 0.1840



23.6831, 0.3608, 0.1773



12.5315, 0.4897, 0.2688



9.1393, 0.3159, 0.3097



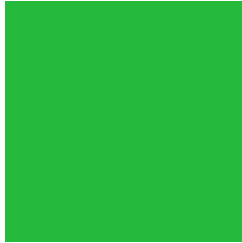
8.7056, 0.3615, 0.1765



0.3132, 0.3495, 0.1699

Previews

White Background



This preview shows how the Yxy color 35.8269, 0.2941, 0.5513 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 35.8269, 0.2941, 0.5513 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 ✓ Pass

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

Yxy 35.8269, 0.2941, 0.5513

Background



This preview shows how black text looks on a background with the Yxy color 35.8269, 0.2941, 0.5513.



This preview shows how white text looks on a background with the Yxy color 35.8269, 0.2941, 0.5513.

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

35.8269, 0.2941, 0.5513

Protanopia

34.9733, 0.4233, 0.4658

Deuteranopia

34.9044, 0.4388, 0.4300



Tritanopia

35.6968, 0.2379, 0.3067

Trichromacy



Original Color

35.8269, 0.2941, 0.5513



Protanomaly

33.1638, 0.3604, 0.5058



Deuteranomaly

32.4332, 0.3693, 0.4809



Tritanomaly

34.9221, 0.2592, 0.3940

Monochromacy



Original Color

35.8269, 0.2941, 0.5513



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.5188, 0.3009, 0.4191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8269, 0.2941, 0.5513 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(37, 186, 59)` looks like.

```
.text, #text, p{  
    color:rgb(37, 186, 59)  
}
```

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(37, 186, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 186, 59) }
```

Border

The CSS property to change the border of an element to Yxy 35.8269, 0.2941, 0.5513 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(37, 186, 59) }
```

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

```
.border{ border-color:rgb(37, 186, 59) }
```

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

Here you see how a box with a 4 pixel rgb(37, 186, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 186, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 186, 59);  
box-shadow:4px 4px 4px 4px rgb(37, 186,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8269, 0.2941, 0.5513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 186, 59) }
```

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

```
.background{ background-color: rgb(37, 186,  
59) }
```

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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