

Converting Colors

$Y_{xy}(33.9382, 0.3075, 0.5694)$

Have a look what the booklet for
Yxy(33.9382, 0.3075, 0.5694)
contains.

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Color

Yxy(33.9382, 0.3075, 0.5694)

Conversions

Conversions Part 1

Format	Color
Hex	35B525
RGB	53, 181, 37
RGB Percent	21%, 71%, 15%
CMY	0.7920, 0.2902, 0.8548
CMYK	0.71, 0.00, 0.80, 0.29
HSL	113°, 66%, 43%
HSV	113°, 80%, 71%
XYZ	18.3281, 33.9382, 7.3372
YIQ	126.3120, -30.0640, -71.9200

Conversions

Conversions Part 2

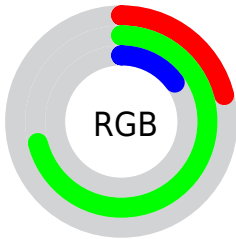
Format	Color
RYB	37, 181, 165
Decimal	3519781
CIELab	64.91, -59.90, 58.12
CIELCh	65, 83.461, 135.864
Yxy	33.9382, 0.3075, 0.5694
Android (android.graphics.Color)	4281709861 (0xFF35B525)
YUV	126.3120, -44.0308, -64.2946
Hunter-Lab	58.2565, -45.7911, 33.3122

Details

The Yxy color **33.9382, 0.3075, 0.5694** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **12.6595, 0.2988, 0.1543**, and the grayscale version is **21.1426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8088, 0.3153, 0.5180**, and **15.1787, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.4871, 0.3050, 0.5870**, and if you desaturate by 10%, it is **34.5949, 0.3097, 0.5444**.

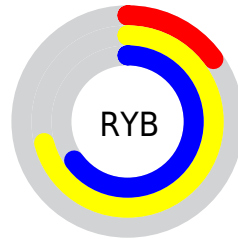
Distribution



Red (21%)

Green (71%)

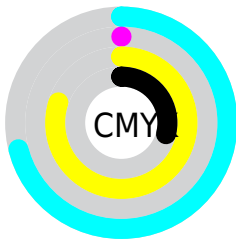
Blue (15%)



Red (15%)

Yellow (71%)

Blue (65%)

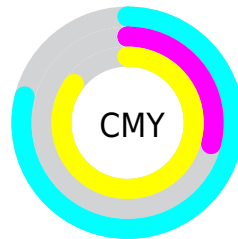


Cyan (71%)

Magenta (0%)

Yellow (80%)

Black (29%)



Cyan (79%)


Magenta (29%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9382, 0.3075, 0.5694 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 33.9382, 0.3075, 0.5694 by changing the saturation by 10% instead.


 33.9382, 0.3075,
0.5694


 33.9382, 0.3075,
0.5694


319.8564, 0.3204,
0.4347

 22.8461, 0.2992,
0.6056


 65.8376, 0.3156,
0.5179


 14.4799, 0.2849,
0.6519


 87.4136, 0.3175,
0.4992


 8.4552, 0.2642,
0.7233


 113.2531, 0.3187,
0.4837

 4.3876, 0.2149,
0.7851

 143.7405, 0.3195,
0.4707

 1.8926, 0.0535,
0.9465

 179.2601, 0.3200,
0.4597

 0.5440, 0.0000,
1.0000

 220.1964, 0.3202,

 0.0000, 0.0000,

0.4502

0.0000

266.9337, 0.3203,
0.4419

■ 33.9382, 0.3075,
0.5694

■ 33.9382, 0.3075,
0.5694

■ 33.4871, 0.3050,
0.5870

■ 34.5949, 0.3097,
0.5444

■ 33.2076, 0.3028,
0.5974

■ 35.4734, 0.3115,
0.5139

■ 33.1978, 0.3028,
0.5978

■ 36.5932, 0.3127,
0.4802

■ 37.9704, 0.3134,
0.4458

■ 39.6196, 0.3137,
0.4124

■ 41.5546, 0.3136,
0.3812

■ 43.7880, 0.3132,
0.3530

■ 46.3317, 0.3127,
0.3279

■ 49.1971, 0.3120,
0.3059

Harmonies

Analogous

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



33.9382, 0.4173, 0.5379



33.9382, 0.3075, 0.5694



33.9382, 0.2042, 0.4743

Triad

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



33.9382, 0.3075, 0.5694



33.9382, 0.1303, 0.1642



33.9382, 0.5194, 0.2935

Complementary

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



33.9382, 0.3075, 0.5694



12.6595, 0.2988, 0.1543

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.



33.9382, 0.4025, 0.2264



33.9382, 0.3075, 0.5694



33.9382, 0.1794, 0.1561

Square

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



33.9382, 0.3075, 0.5694



33.9382, 0.1163, 0.2114



33.9382, 0.2719, 0.1778



33.9382, 0.5566, 0.3688

Rectangle

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



33.9382, 0.3075, 0.5694



33.9382, 0.1545, 0.3675



33.9382, 0.2719, 0.1778



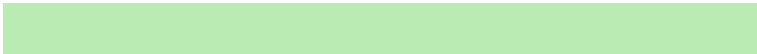
33.9382, 0.4868, 0.2699

Sweetspot

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



33.9396, 0.3075, 0.5694



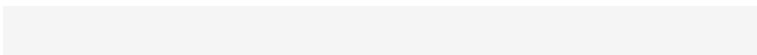
72.6735, 0.3137, 0.3960



36.5815, 0.4282, 0.4790



15.4509, 0.3137, 0.4071



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



33.9396, 0.3075, 0.5694



59.5982, 0.3033, 0.5945



34.2182, 0.2778, 0.4944



9.5338, 0.3132, 0.3524



22.9018, 0.3032, 0.5975



0.7351, 0.3151, 0.5880

Inverse Universe

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



12.6595, 0.2988, 0.1543



19.9057, 0.2941, 0.1407



12.6505, 0.4118, 0.2219



8.5978, 0.3120, 0.3064



7.5328, 0.2934, 0.1390



0.2506, 0.3016, 0.1435

Previews

White Background



This preview shows how the Yxy color 33.9382, 0.3075, 0.5694 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 33.9382, 0.3075, 0.5694 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 33.9382, 0.3075, 0.5694

Background



This preview shows how black text looks on a background with the Yxy color 33.9382, 0.3075, 0.5694.



This preview shows how white text looks on a background with the Yxy color 33.9382, 0.3075, 0.5694.

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

33.9382, 0.3075, 0.5694

Protanopia

33.4430, 0.4327, 0.4790

Deuteranopia

33.0298, 0.4520, 0.4428



Tritanopia

33.8772, 0.2432, 0.3079

Trichromacy



Original Color

33.9382, 0.3075, 0.5694



Protanomaly

32.2075, 0.3759, 0.5203



Deuteranomaly

31.1865, 0.3874, 0.4949



Tritanomaly

33.0086, 0.2706, 0.4081

Monochromacy



Original Color

33.9382, 0.3075, 0.5694



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.0186, 0.3128, 0.4307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9382, 0.3075, 0.5694 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(53, 181, 37)` looks like.

```
.text, #text, p{  
    color:rgb(53, 181, 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(53, 181, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 181, 37) }
```

Border

The CSS property to change the border of an element to Yxy 33.9382, 0.3075, 0.5694 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(53, 181, 37) }
```

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

```
.border{ border-color:rgb(53, 181, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 181, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 181, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 181, 37);  
box-shadow:4px 4px 4px 4px rgb(53, 181,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9382, 0.3075, 0.5694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 181, 37) }
```

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

```
.background{ background-color: rgb(53, 181,  
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](#).

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