

Converting Colors

Yxy(34.8042, 0.3137, 0.5289)

Have a look what the booklet for
Yxy(34.8042, 0.3137, 0.5289)
contains.

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Color

Yxy(34.7507, 0.3138, 0.5290)

Conversions

Conversions Part 1

Format	Color
Hex	51B43F
RGB	81, 180, 63
RGB Percent	32%, 71%, 25%
CMY	0.6822, 0.2941, 0.7528
CMYK	0.55, 0.00, 0.65, 0.29
HSL	111°, 48%, 48%
HSV	111°, 65%, 71%
XYZ	20.6139, 34.7507, 10.3267
YIQ	137.0610, -21.4470, -57.3750

Conversions

Conversions Part 2

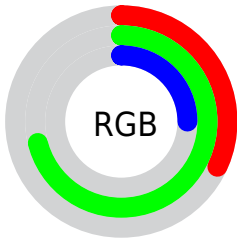
Format	Color
RYB	63, 180, 162
Decimal	5354559
CIELab	65.55, -51.12, 49.40
CIELCh	66, 71.090, 135.978
Yxy	34.7507, 0.3138, 0.5290
Android (android.graphics.Color)	4283544639 (0xFF51B43F)
YUV	137.0610, -36.5121, -49.1655
Hunter-Lab	58.9497, -40.7430, 30.8785

Details

The Yxy color **34.7507, 0.3138, 0.5290** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.5340, 0.2962, 0.1728**, and the grayscale version is **25.1914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3183, 0.3181, 0.4857**, and **14.9217, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.9834, 0.3117, 0.5566**, and if you desaturate by 10%, it is **35.7377, 0.3152, 0.4971**.

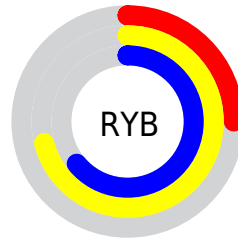
Distribution



Red (32%)

Green (71%)

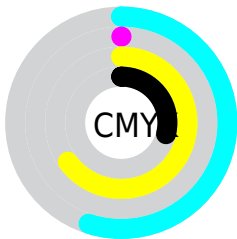
Blue (25%)



Red (25%)

Yellow (71%)

Blue (64%)

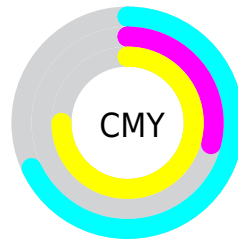


Cyan (55%)

Magenta (0%)

Yellow (65%)

Black (29%)



Cyan (68%)


Magenta (29%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7507, 0.3138, 0.5290 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 34.7507, 0.3138, 0.5290 by changing the saturation by 10% instead.


 34.7507, 0.3138,
0.5290


 34.7507, 0.3138,
0.5290


323.4666, 0.3200,
0.4174

 23.4709, 0.3089,
0.5597


 67.0994, 0.3183,
0.4860


 14.9416, 0.3001,
0.6001


 88.9371, 0.3192,
0.4705


 8.7784, 0.2838,
0.6542


 115.0628, 0.3198,
0.4577

 4.5969, 0.2575,
0.7425

 145.8610, 0.3200,
0.4470

 2.0128, 0.1619,
0.8381

 181.7161, 0.3201,
0.4379

 0.6149, 0.0000,
1.0000

223.0125, 0.3201,

 0.0000, 0.0000,

0.4301

0.0000

270.1345, 0.3201,
0.4233

■ 34.7507, 0.3138,
0.5290

■ 34.7507, 0.3138,
0.5290

■ 33.9834, 0.3117,
0.5566

■ 35.7377, 0.3152,
0.4971

■ 33.4144, 0.3089,
0.5779

■ 36.9550, 0.3158,
0.4633

■ 33.0255, 0.3058,
0.5915

■ 38.4177, 0.3158,
0.4296

■ 32.8852, 0.3045,
0.5964

■ 40.1384, 0.3153,
0.3975

■ 42.1290, 0.3145,
0.3679

■ 44.4003, 0.3133,
0.3412

■ 46.9627, 0.3121,
0.3175

■ 49.8262, 0.3107,
0.2967

■ 53.0000, 0.3094,
0.2786

Harmonies

Analogous

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



34.7507, 0.4108, 0.5133



34.7507, 0.3138, 0.5290



34.7507, 0.2214, 0.4486

Triad

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



34.7507, 0.3138, 0.5290



34.7507, 0.1507, 0.1844



34.7507, 0.4887, 0.3017

Complementary

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



34.7507, 0.3138, 0.5290



14.5340, 0.2962, 0.1728

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.



34.7507, 0.3904, 0.2400



34.7507, 0.3138, 0.5290



34.7507, 0.1965, 0.1757

Square

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



34.7507, 0.3138, 0.5290



34.7507, 0.1383, 0.2292



34.7507, 0.2792, 0.1955



34.7507, 0.5241, 0.3716

Rectangle

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



34.7507, 0.3138, 0.5290



34.7507, 0.1759, 0.3630



34.7507, 0.2792, 0.1955



34.7507, 0.4610, 0.2799

Sweetspot

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



34.7522, 0.3138, 0.5290



74.7617, 0.3149, 0.3804



35.3791, 0.4173, 0.4560



15.9410, 0.3151, 0.3888



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.



34.7522, 0.3138, 0.5290



61.1280, 0.3105, 0.5667



34.6597, 0.2822, 0.4709



9.5508, 0.3138, 0.3524



22.9712, 0.3050, 0.5960



0.7422, 0.3205, 0.5837

Inverse Universe

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



14.5340, 0.2962, 0.1728



21.5811, 0.2906, 0.1503



15.1843, 0.3771, 0.2253



8.5792, 0.3114, 0.3064



7.0026, 0.2828, 0.1332



0.2382, 0.2941, 0.1394

Previews

White Background



This preview shows how the Yxy color 34.7507, 0.3138, 0.5290 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 34.7507, 0.3138, 0.5290 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 34.7507, 0.3138, 0.5290

Background



This preview shows how black text looks on a background with the Yxy color 34.7507, 0.3138, 0.5290.



This preview shows how white text looks on a background with the Yxy color 34.7507, 0.3138, 0.5290.

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

34.7507, 0.3138, 0.5290

Protanopia

34.0962, 0.4202, 0.4607

Deuteranopia

33.8827, 0.4360, 0.4272



Tritanopia

34.4468, 0.2529, 0.3069

Trichromacy



Original Color

34.7507, 0.3138, 0.5290



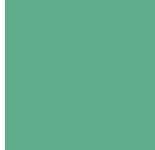
Protanomaly

33.3390, 0.3754, 0.4892



Deuteranomaly

32.7894, 0.3852, 0.4653



Tritanomaly

33.9105, 0.2768, 0.3856

Monochromacy



Original Color

34.7507, 0.3138, 0.5290



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.6902, 0.3159, 0.4061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7507, 0.3138, 0.5290 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(81, 180, 63)` looks like.

```
.text, #text, p{  
    color:rgb(81, 180, 63)  
}
```

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(81, 180, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 180, 63) }
```

Border

The CSS property to change the border of an element to Yxy 34.7507, 0.3138, 0.5290 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(81, 180, 63) }
```

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

```
.border{ border-color:rgb(81, 180, 63) }
```

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

Here you see how a box with a 4 pixel rgb(81, 180, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 180, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 180, 63);  
box-shadow:4px 4px 4px 4px rgb(81, 180,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7507, 0.3138, 0.5290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 180, 63) }
```

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

```
.background{ background-color: rgb(81, 180,  
63) }
```

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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