

Converting Colors

$Yxy(37.6325, 0.2889, 0.5154)$

Have a look what the booklet for
Yxy(37.6325, 0.2889, 0.5154)
contains.

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Color

Yxy(37.7498, 0.2890, 0.5152)

Conversions

Conversions Part 1

Format	Color
Hex	34BD53
RGB	52, 189, 83
RGB Percent	20%, 74%, 33%
CMY	0.7959, 0.2588, 0.6746
CMYK	0.72, 0.00, 0.56, 0.26
HSL	134°, 57%, 47%
HSV	134°, 72%, 74%
XYZ	21.1756, 37.7498, 14.3467
YIQ	135.9530, -47.6260, -62.0100

Conversions

Conversions Part 2

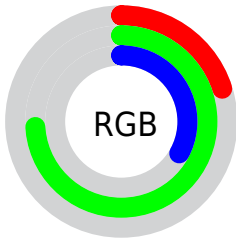
Format	Color
RYB	52, 164, 189
Decimal	3456339
CIELab	67.84, -58.25, 42.77
CIElCh	68, 72.267, 143.710
Yxy	37.7498, 0.2890, 0.5152
Android (android.graphics.Color)	4281646419 (0xFF34BD53)
YUV	135.9530, -26.1058, -73.6268
Hunter-Lab	61.4409, -46.0013, 29.1642

Details

The Yxy color **37.7498, 0.2890, 0.5152** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **15.7504, 0.3637, 0.2017**, and the grayscale version is **24.7191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5124, 0.2973, 0.4746**, and **17.1545, 0.2914, 0.5689** is the 20% darker color. If you saturate the color by 10%, you get **37.1433, 0.2895, 0.5409**, and if you desaturate by 10%, it is **38.6079, 0.2898, 0.4870**.

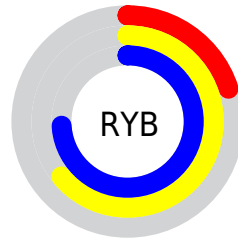
Distribution



Red (20%)

Green (74%)

Blue (33%)



Red (20%)

Yellow (64%)

Blue (74%)

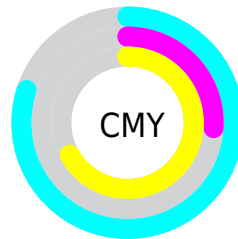


Cyan (72%)

Magenta (0%)

Yellow (56%)

Black (26%)



Cyan (80%)

Magenta (26%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7498, 0.2890, 0.5152 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 37.7498, 0.2890, 0.5152 by changing the saturation by 10% instead.

 37.7498, 0.2890,
0.5152

 37.7498, 0.2890,
0.5152


336.5455, 0.3066,
0.4112

 25.7886, 0.2821,
0.5444


 71.7245, 0.2971,
0.4749


 16.6655, 0.2716,
0.5833


 94.5067, 0.2996,
0.4605

 9.9963, 0.2544,
0.6369


 121.6647, 0.3015,
0.4487

 5.3965, 0.2276,
0.7235

 153.5829, 0.3030,
0.4387

 2.4817, 0.1549,
0.8451

 190.6457, 0.3042,
0.4303

 0.8675, 0.0000,
1.0000

233.2375, 0.3052,

 0.0000, 0.0000,

0.4230

0.0000

281.7426, 0.3060,
0.4168

■ 37.7498, 0.2890,
0.5152

■ 37.7498, 0.2890,
0.5152

■ 37.1433, 0.2895,
0.5409

■ 38.6079, 0.2898,
0.4870

■ 36.7550, 0.2914,
0.5625

■ 39.7370, 0.2919,
0.4578

■ 36.5681, 0.2932,
0.5756

■ 41.1600, 0.2949,
0.4290

■ 42.8958, 0.2987,
0.4017

■ 44.9620, 0.3028,
0.3765

■ 47.3746, 0.3072,
0.3538

■ 50.1488, 0.3116,
0.3336

■ 53.2987, 0.3160,
0.3158

■ 56.8378, 0.3201,
0.3003

Harmonies

Analogous

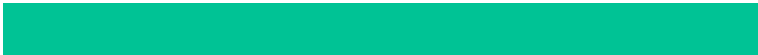
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.7498, 0.3864, 0.5228



37.7498, 0.2890, 0.5152



37.7498, 0.2030, 0.4152

Triad

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



37.7498, 0.2890, 0.5152



37.7498, 0.1605, 0.1804



37.7498, 0.5030, 0.3196

Complementary

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



37.7498, 0.2890, 0.5152



15.7504, 0.3637, 0.2017

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.



37.7498, 0.4182, 0.2554



37.7498, 0.2890, 0.5152



37.7498, 0.2151, 0.1795

Square

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



37.7498, 0.2890, 0.5152



37.7498, 0.1398, 0.2147



37.7498, 0.3063, 0.2059



37.7498, 0.5191, 0.3904

Rectangle

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



37.7498, 0.2890, 0.5152



37.7498, 0.1646, 0.3310



37.7498, 0.3063, 0.2059



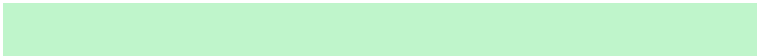
37.7498, 0.4812, 0.2972

Sweetspot

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



37.7514, 0.2890, 0.5152



80.5697, 0.3029, 0.3763



44.0489, 0.3804, 0.5049



17.0975, 0.3017, 0.3828



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.



37.7514, 0.2890, 0.5152



66.0660, 0.2905, 0.5543



39.3357, 0.2522, 0.3946



10.6840, 0.3086, 0.3473



24.6134, 0.2927, 0.5737



0.9743, 0.2796, 0.5264

Inverse Universe

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



15.7504, 0.3637, 0.2017



24.4182, 0.3779, 0.1917



14.0318, 0.4875, 0.2839



9.6584, 0.3171, 0.3114



8.6944, 0.3869, 0.1905



0.3498, 0.3681, 0.1801

Previews

White Background



This preview shows how the Yxy color 37.7498, 0.2890, 0.5152 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 37.7498, 0.2890, 0.5152 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 37.7498, 0.2890, 0.5152

Background



This preview shows how black text looks on a background with the Yxy color 37.7498, 0.2890, 0.5152.



This preview shows how white text looks on a background with the Yxy color 37.7498, 0.2890, 0.5152.

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

37.7498, 0.2890, 0.5152

Protanopia

37.0040, 0.4084, 0.4466

Deuteranopia

36.8290, 0.4195, 0.4105



Tritanopia

37.7213, 0.2399, 0.3072

Trichromacy



Original Color

37.7498, 0.2890, 0.5152



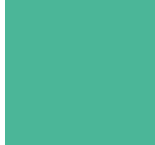
Protanomaly

35.5881, 0.3527, 0.4771



Deuteranomaly

34.8375, 0.3582, 0.4512



Tritanomaly

37.2188, 0.2579, 0.3795

Monochromacy



Original Color

37.7498, 0.2890, 0.5152



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.7303, 0.2983, 0.3986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7498, 0.2890, 0.5152 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(52, 189, 83)` looks like.

```
.text, #text, p{  
    color:rgb(52, 189, 83)  
}
```

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(52, 189, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 189, 83) }
```

Border

The CSS property to change the border of an element to Yxy 37.7498, 0.2890, 0.5152 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(52, 189, 83) }
```

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

```
.border{ border-color:rgb(52, 189, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 189, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 189, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 189, 83);  
box-shadow:4px 4px 4px 4px rgb(52, 189,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7498, 0.2890, 0.5152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 189, 83) }
```

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

```
.background{ background-color: rgb(52, 189,  
83) }
```

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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