

Converting Colors

$Y_{xy}(37.2152, 0.3324, 0.5743)$

Have a look what the booklet for
Yxy(37.2152, 0.3324, 0.5743)
contains.

Yxy(37.1440, 0.3323, 0.5744)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.1440, 0.3323, 0.5744)

Conversions

Conversions Part 1

Format	Color
Hex	57BA00
RGB	87, 186, 0
RGB Percent	34%, 73%, 0%
CMY	0.6588, 0.2706, 1.0000
CMYK	0.53, 0.00, 1.00, 0.27
HSL	92°, 100%, 36%
HSV	92°, 100%, 73%
XYZ	21.4884, 37.1440, 6.0333
YIQ	135.1950, 0.7020, -78.8340

Conversions

Conversions Part 2

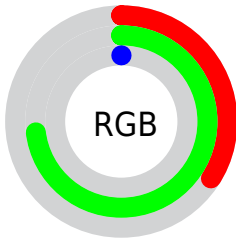
Format	Color
RYB	0, 186, 99
Decimal	5749248
CIELab	67.38, -54.82, 67.52
CIELCh	67, 86.972, 129.074
Yxy	37.1440, 0.3323, 0.5744
Android (android.graphics.Color)	4283939328 (0xFF57BA00)
YUV	135.1950, -66.6511, -42.2670
Hunter-Lab	60.9459, -43.7194, 36.7927

Details

The Yxy color **37.1440, 0.3323, 0.5744** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **6.1986, 0.2087, 0.0923**, and the grayscale version is **24.5576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8543, 0.3372, 0.5256**, and **16.5219, 0.3007, 0.5994** is the 20% darker color. If you saturate the color by 10%, you get **37.1458, 0.3323, 0.5744**, and if you desaturate by 10%, it is **37.7012, 0.3373, 0.5629**.

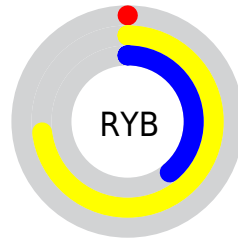
Distribution



Red (34%)

Green (73%)

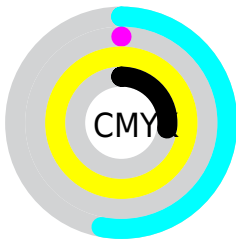
Blue (0%)



Red (0%)

Yellow (73%)

Blue (39%)

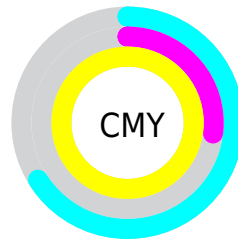


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (66%)


Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1440, 0.3323, 0.5744 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 37.1440, 0.3323, 0.5744 by changing the saturation by 10% instead.


 37.1440, 0.3323,
0.5744


 37.1440, 0.3323,
0.5744


333.9335, 0.3344,
0.4422

 25.3190, 0.3260,
0.6070


 70.7942, 0.3370,
0.5257


 16.3149, 0.3140,
0.6467


 93.3882, 0.3375,
0.5075


 9.7472, 0.2958,
0.7042


 120.3406, 0.3375,
0.4921

 5.2317, 0.2513,
0.7487

 152.0359, 0.3371,
0.4790

 2.3838, 0.1708,
0.8292

 188.8585, 0.3365,
0.4678

 0.8176, 0.0000,
1.0000

 231.1927, 0.3359,

 0.0000, 0.0000,

0.4581

0.0000

279.4229, 0.3351,
0.4497

■ 37.1440, 0.3323,
0.5744

■ 37.1440, 0.3323,
0.5744

■ 37.1458, 0.3323,
0.5744

■ 37.7012, 0.3373,
0.5629

■ 38.3679, 0.3409,
0.5464

■ 39.1644, 0.3424,
0.5246

■ 40.1010, 0.3419,
0.4985

■ 41.1864, 0.3395,
0.4697

■ 42.4287, 0.3356,
0.4396

■ 43.8351, 0.3306,
0.4097

■ 45.4125, 0.3249,
0.3809

■ 47.1671, 0.3189,
0.3539

Harmonies

Analogous

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



37.1440, 0.4412, 0.5217



37.1440, 0.3323, 0.5744



37.1440, 0.2242, 0.5088

Triad

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



37.1440, 0.3323, 0.5744



37.1440, 0.1229, 0.1695



37.1440, 0.5002, 0.2767

Complementary

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



37.1440, 0.3323, 0.5744



6.1986, 0.2087, 0.0923

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.



37.1440, 0.3719, 0.2123



37.1440, 0.3323, 0.5744



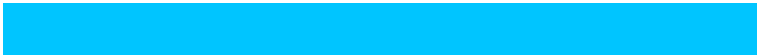
37.1440, 0.1636, 0.1538

Square

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



37.1440, 0.3323, 0.5744



37.1440, 0.1163, 0.2284



37.1440, 0.2462, 0.1692



37.1440, 0.5588, 0.3508

Rectangle

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



37.1440, 0.3323, 0.5744



37.1440, 0.1675, 0.4047



37.1440, 0.2462, 0.1692



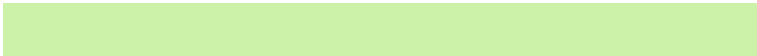
37.1440, 0.4619, 0.2537

Sweetspot

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



37.1458, 0.3323, 0.5744



79.3154, 0.3309, 0.4112



18.8242, 0.5359, 0.4127



17.2219, 0.3331, 0.4238



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.



37.1458, 0.3323, 0.5744



67.1838, 0.3312, 0.5753



35.1267, 0.2997, 0.5990



10.2604, 0.3185, 0.3521



25.0329, 0.3332, 0.5736



0.9194, 0.3540, 0.5571

Inverse Universe

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



6.1986, 0.2087, 0.0923



11.0891, 0.2072, 0.0915



13.8546, 0.3251, 0.1565



8.9484, 0.3065, 0.3060



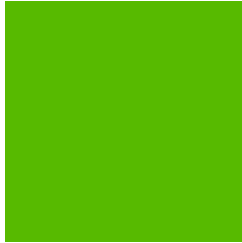
4.2150, 0.2100, 0.0931



0.1851, 0.2379, 0.1084

Previews

White Background



This preview shows how the Yxy color 37.1440, 0.3323, 0.5744 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 37.1440, 0.3323, 0.5744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

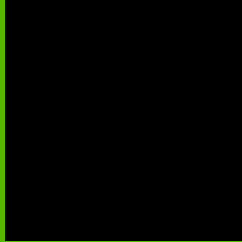
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1440, 0.3323, 0.5744

Background



This preview shows how black text looks on a background with the Yxy color 37.1440, 0.3323, 0.5744.



This preview shows how white text looks on a background with the Yxy color 37.1440, 0.3323, 0.5744.

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

37.1440, 0.3323, 0.5744

Protanopia

36.3847, 0.4409, 0.4881

Deuteranopia

36.5618, 0.4613, 0.4528



Tritanopia

36.9857, 0.2555, 0.3076

Trichromacy



Original Color

37.1440, 0.3323, 0.5744



Protanomaly

35.5154, 0.3970, 0.5230



Deuteranomaly

35.0198, 0.4110, 0.5015



Tritanomaly

36.1158, 0.2965, 0.4290

Monochromacy



Original Color

37.1440, 0.3323, 0.5744



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.6346, 0.3373, 0.4502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1440, 0.3323, 0.5744 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(87, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(87, 186, 0)  
}
```

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(87, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 186, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.1440, 0.3323, 0.5744 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(87, 186, 0) }
```

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

```
.border{ border-color:rgb(87, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(87, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(87, 186, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.1440, 0.3323, 0.5744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 186, 0) }
```

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

```
.background{ background-color: rgb(87, 186,  
0) }
```

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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