

Converting Colors

$Y_{xy}(37.4902, 0.2788, 0.5214)$

Have a look what the booklet for
Yxy(37.4902, 0.2788, 0.5214)
contains.

Yxy(37.4902, 0.2788, 0.5214)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.4902, 0.2788, 0.5214)

Conversions

Conversions Part 1

Format	Color
Hex	06BE53
RGB	6, 190, 83
RGB Percent	2%, 75%, 33%
CMY	0.9780, 0.2549, 0.6744
CMYK	0.97, 0.00, 0.56, 0.25
HSL	145°, 94%, 38%
HSV	145°, 97%, 75%
XYZ	20.0465, 37.4902, 14.3662
YIQ	122.7860, -75.3170, -72.2850

Conversions

Conversions Part 2

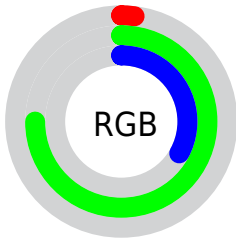
Format	Color
RYB	6, 136, 190
Decimal	441939
CIELab	67.64, -62.91, 42.39
CIELCh	68, 75.858, 146.022
Yxy	37.4902, 0.2788, 0.5214
Android (android.graphics.Color)	4278632019 (0xFF06BE53)
YUV	122.7860, -19.6145, -102.4213
Hunter-Lab	61.2292, -48.7100, 28.9493

Details

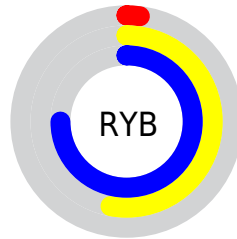
The Yxy color **37.4902, 0.2788, 0.5214** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **12.2529, 0.4568, 0.2308**, and the grayscale version is **19.7780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5367, 0.2890, 0.4798**, and **17.4322, 0.2915, 0.5693** is the 20% darker color. If you saturate the color by 10%, you get **37.4066, 0.2797, 0.5270**, and if you desaturate by 10%, it is **37.8413, 0.2760, 0.5014**.

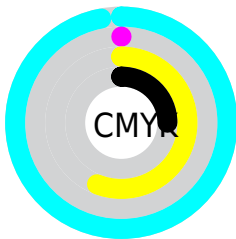
Distribution



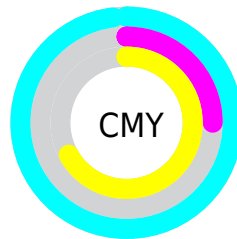
- Red (2%)
- Green (75%)
- Blue (33%)



- Red (2%)
- Yellow (53%)
- Blue (75%)



- Cyan (97%)
- Magenta (0%)
- Yellow (56%)
- Black (25%)




- Cyan (98%)
- Magenta (25%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4902, 0.2788, 0.5214 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 37.4902, 0.2788, 0.5214 by changing the saturation by 10% instead.


 37.4902, 0.2788,
0.5214


 37.4902, 0.2788,
0.5214


335.4280, 0.3019,
0.4134


 25.5873, 0.2704,
0.5519


 71.3261, 0.2890,
0.4794


 16.5151, 0.2580,
0.5929


 94.0278, 0.2923,
0.4644


 9.8894, 0.2381,
0.6495


 121.0979, 0.2948,
0.4521

 5.3257, 0.2077,
0.7411

 152.9208, 0.2968,
0.4418

 2.4396, 0.1162,
0.8838

 189.8808, 0.2985,
0.4331

 0.8461, 0.0000,
1.0000

232.3625, 0.2998,

 0.0000, 0.0000,

0.4256

0.0000

280.7500, 0.3010,
0.4191

■ 37.4902, 0.2788,
0.5214

■ 37.4902, 0.2788,
0.5214

■ 37.4066, 0.2797,
0.5270

■ 37.8413, 0.2760,
0.5014

■ 38.3787, 0.2749,
0.4797

■ 39.1375, 0.2757,
0.4572

■ 40.1421, 0.2783,
0.4347

■ 41.4135, 0.2824,
0.4127

■ 42.9706, 0.2877,
0.3919

■ 44.8303, 0.2939,
0.3726

■ 47.0081, 0.3006,
0.3550

■ 49.5187, 0.3077,
0.3391

Harmonies

Analogous

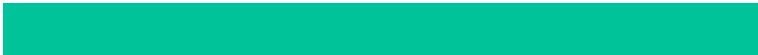
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.4902, 0.3800, 0.5346



37.4902, 0.2788, 0.5214



37.4902, 0.1919, 0.4094

Triad

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



37.4902, 0.2788, 0.5214



37.4902, 0.1576, 0.1733



37.4902, 0.5165, 0.3233

Complementary

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



37.4902, 0.2788, 0.5214



12.2529, 0.4568, 0.2308

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.



37.4902, 0.4321, 0.2567



37.4902, 0.2788, 0.5214



37.4902, 0.2167, 0.1749

Square

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



37.4902, 0.2788, 0.5214



37.4902, 0.1339, 0.2050



37.4902, 0.3143, 0.2041



37.4902, 0.5261, 0.3965

Rectangle

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



37.4902, 0.2788, 0.5214



37.4902, 0.1548, 0.3207



37.4902, 0.3143, 0.2041



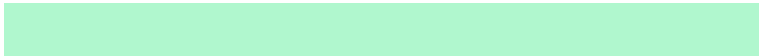
37.4902, 0.4957, 0.3001

Sweetspot

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



37.4917, 0.2788, 0.5214



80.3647, 0.2923, 0.3771



40.3651, 0.3498, 0.5586



17.3255, 0.2896, 0.3854



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



37.4917, 0.2788, 0.5214



67.7321, 0.2805, 0.5299



39.9480, 0.2321, 0.3540



10.7143, 0.3060, 0.3426



24.8856, 0.2790, 0.5246



0.9879, 0.2655, 0.4758

Inverse Universe

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



12.2529, 0.4568, 0.2308



21.8364, 0.4654, 0.2337



11.1238, 0.6252, 0.3245



9.6267, 0.3200, 0.3158



8.0472, 0.4602, 0.2309



0.3280, 0.4183, 0.2078

Previews

White Background



This preview shows how the Yxy color 37.4902, 0.2788, 0.5214 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 37.4902, 0.2788, 0.5214 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 37.4902, 0.2788, 0.5214

Background



This preview shows how black text looks on a background with the Yxy color 37.4902, 0.2788, 0.5214.



This preview shows how white text looks on a background with the Yxy color 37.4902, 0.2788, 0.5214.

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

37.4902, 0.2788, 0.5214

Protanopia

36.8827, 0.4073, 0.4471

Deuteranopia

36.6918, 0.4185, 0.4109



Tritanopia

37.5863, 0.2340, 0.3070

Trichromacy



Original Color

37.4902, 0.2788, 0.5214



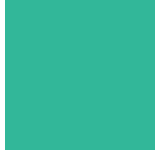
Protanomaly

34.2191, 0.3358, 0.4858



Deuteranomaly

33.3937, 0.3413, 0.4585



Tritanomaly

36.8450, 0.2478, 0.3805

Monochromacy



Original Color

37.4902, 0.2788, 0.5214



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

23.6556, 0.2836, 0.4079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4902, 0.2788, 0.5214 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(6, 190, 83)` looks like.

```
.text, #text, p{  
    color:rgb(6, 190, 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(6, 190, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 190, 83) }
```

Border

The CSS property to change the border of an element to Yxy 37.4902, 0.2788, 0.5214 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(6, 190, 83) }
```

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

```
.border{ border-color:rgb(6, 190, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 190, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 190, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 190, 83);  
box-shadow:4px 4px 4px 4px rgb(6, 190, 83)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.4902, 0.2788, 0.5214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 190, 83) }
```

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

```
.background{ background-color: rgb(6, 190,  
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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