

Converting Colors

$Yxy(37.0163, 0.2693, 0.4155)$

Have a look what the booklet for
Yxy(37.0163, 0.2693, 0.4155)
contains.

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Color

Yxy(37.0163, 0.2693, 0.4155)

Conversions

Conversions Part 1

Format	Color
Hex	4AB785
RGB	74, 183, 133
RGB Percent	29%, 72%, 52%
CMY	0.7099, 0.2823, 0.4783
CMYK	0.60, 0.00, 0.27, 0.28
HSL	152°, 43%, 50%
HSV	152°, 60%, 72%
XYZ	23.9916, 37.0163, 28.0807
YIQ	144.7090, -48.9140, -38.6580

Conversions

Conversions Part 2

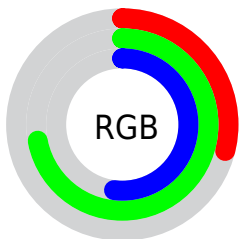
Format	Color
RYB	74, 145, 183
Decimal	4896645
CIELab	67.29, -43.01, 16.30
CIELCh	67, 45.997, 159.249
Yxy	37.0163, 0.2693, 0.4155
Android (android.graphics.Color)	4283086725 (0xFF4AB785)
YUV	144.7090, -5.7725, -62.0118
Hunter-Lab	60.8410, -36.0836, 15.2239

Details

The Yxy color **37.0163, 0.2693, 0.4155** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **16.4170, 0.4072, 0.2610**, and the grayscale version is **28.2295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7709, 0.2786, 0.3980**, and **16.3250, 0.2573, 0.4463** is the 20% darker color. If you saturate the color by 10%, you get **36.1715, 0.2662, 0.4332**, and if you desaturate by 10%, it is **38.0938, 0.2741, 0.3983**.

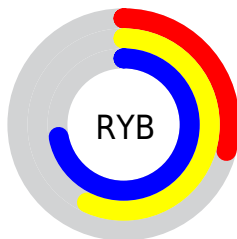
Distribution



Red (29%)

Green (72%)

Blue (52%)



Red (29%)

Yellow (57%)

Blue (72%)

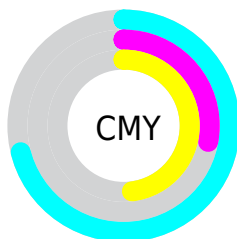


Cyan (60%)

Magenta (0%)

Yellow (27%)

Black (28%)



Cyan (71%)


Magenta (28%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0163, 0.2693, 0.4155 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 37.0163, 0.2693, 0.4155 by changing the saturation by 10% instead.


 37.0163, 0.2693,
0.4155


 37.0163, 0.2693,
0.4155


333.3811, 0.2929,
0.3682


 25.2201, 0.2627,
0.4288


 70.5979, 0.2784,
0.3973


 16.2411, 0.2538,
0.4468


 93.1520, 0.2816,
0.3908


 9.6949, 0.2411,
0.4725


 120.0609, 0.2843,
0.3854

 5.1972, 0.2217,
0.5120

 151.7090, 0.2866,
0.3808

 2.3634, 0.1887,
0.5797

 188.4807, 0.2885,
0.3770

 0.8070, 0.0000,
1.0000

230.7604, 0.2902,

 0.0000, 0.0000,

0.3737

0.0000

278.9323, 0.2917,
0.3708

■ 37.0163, 0.2693,
0.4155

■ 37.0163, 0.2693,
0.4155

■ 36.1715, 0.2662,
0.4332

■ 38.0938, 0.2741,
0.3983

■ 35.5356, 0.2650,
0.4511

■ 39.4167, 0.2803,
0.3819

■ 35.0874, 0.2659,
0.4687

■ 41.0017, 0.2876,
0.3667

■ 34.7834, 0.2683,
0.4856

■ 42.8631, 0.2957,
0.3527

■ 34.7715, 0.2684,
0.4863

■ 45.0138, 0.3043,
0.3400

■ 47.4661, 0.3131,
0.3285

■ 50.2315, 0.3220,
0.3184

■ 53.3208, 0.3308,
0.3094

■ 56.7445, 0.3394,
0.3015

Harmonies

Analogous

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



37.0163, 0.3352, 0.4544



37.0163, 0.2693, 0.4155



37.0163, 0.2185, 0.3449

Triad

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



37.0163, 0.2693, 0.4155



37.0163, 0.2249, 0.2226



37.0163, 0.4486, 0.3553

Complementary

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



37.0163, 0.2693, 0.4155



16.4170, 0.4072, 0.2610

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.



37.0163, 0.4132, 0.3042



37.0163, 0.2693, 0.4155



37.0163, 0.2781, 0.2316

Square

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



37.0163, 0.2693, 0.4155



37.0163, 0.1961, 0.2372



37.0163, 0.3478, 0.2606



37.0163, 0.4414, 0.4065

Rectangle

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



37.0163, 0.2693, 0.4155



37.0163, 0.1988, 0.2985



37.0163, 0.3478, 0.2606



37.0163, 0.4413, 0.3379

Sweetspot

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



37.0178, 0.2693, 0.4155



77.2261, 0.2968, 0.3510



38.7119, 0.3417, 0.4972



16.8270, 0.2943, 0.3549



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



37.0178, 0.2693, 0.4155



64.4492, 0.2657, 0.4379



37.2626, 0.2389, 0.3230



10.1393, 0.3045, 0.3397



24.2702, 0.2679, 0.4843



0.8679, 0.2556, 0.4401

Inverse Universe

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



16.4170, 0.4072, 0.2610



24.3327, 0.4392, 0.2528



15.9563, 0.4915, 0.3343



9.0789, 0.3218, 0.3186



7.4819, 0.5106, 0.2586



0.2763, 0.4493, 0.2249

Previews

White Background



This preview shows how the Yxy color 37.0163, 0.2693, 0.4155 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 37.0163, 0.2693, 0.4155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

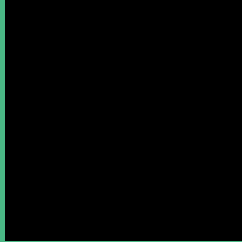
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0163, 0.2693, 0.4155

Background



This preview shows how black text looks on a background with the Yxy color 37.0163, 0.2693, 0.4155.



This preview shows how white text looks on a background with the Yxy color 37.0163, 0.2693, 0.4155.

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

37.0163, 0.2693, 0.4155

Protanopia

36.2946, 0.3596, 0.3837

Deuteranopia

36.5428, 0.3603, 0.3539



Tritanopia

37.0437, 0.2424, 0.3072

Trichromacy



Original Color

37.0163, 0.2693, 0.4155



Protanomaly

35.6850, 0.3194, 0.3973



Deuteranomaly

35.1896, 0.3190, 0.3741



Tritanomaly

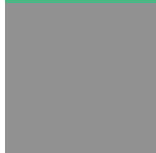
37.0361, 0.2518, 0.3451

Monochromacy



Original Color

37.0163, 0.2693, 0.4155



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.6413, 0.2910, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0163, 0.2693, 0.4155 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(74, 183, 133)` looks like.

```
.text, #text, p{  
  color:rgb(74, 183, 133)  
}
```

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(74, 183, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 183, 133) }
```

Border

The CSS property to change the border of an element to Yxy 37.0163, 0.2693, 0.4155 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(74, 183, 133) }
```

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

```
.border{ border-color:rgb(74, 183, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 183, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 183, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 183, 133);  
box-shadow:4px 4px 4px 4px rgb(74, 183,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0163, 0.2693, 0.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 183, 133) }
```

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

```
.background{ background-color: rgb(74, 183,  
133) }
```

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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