

Converting Colors

$Y_{xy}(37.7699, 0.2714, 0.4146)$

Have a look what the booklet for
Yxy(37.7699, 0.2714, 0.4146)
contains.

Yxy(37.6645, 0.2715, 0.4145)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.6645, 0.2715, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	4FB886
RGB	79, 184, 134
RGB Percent	31%, 72%, 53%
CMY	0.6901, 0.2784, 0.4744
CMYK	0.57, 0.00, 0.27, 0.28
HSL	151°, 43%, 52%
HSV	151°, 57%, 72%
XYZ	24.6705, 37.6645, 28.5323
YIQ	146.9050, -46.5300, -37.8100

Conversions

Conversions Part 2

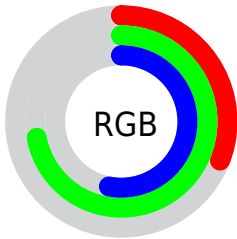
Format	Color
RYB	79, 148, 184
Decimal	5224582
CIELab	67.77, -42.14, 16.45
CIElCh	68, 45.241, 158.676
Yxy	37.6645, 0.2715, 0.4145
Android (android.graphics.Color)	4283414662 (0xFF4FB886)
YUV	146.9050, -6.3622, -59.5527
Hunter-Lab	61.3714, -35.6454, 15.3953

Details

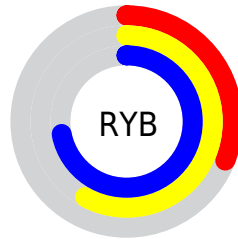
The Yxy color **37.6645, 0.2715, 0.4145** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **17.3703, 0.3982, 0.2607**, and the grayscale version is **29.1810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7327, 0.2802, 0.3974**, and **16.6054, 0.2571, 0.4455** is the 20% darker color. If you saturate the color by 10%, you get **36.7485, 0.2681, 0.4329**, and if you desaturate by 10%, it is **38.8221, 0.2765, 0.3968**.

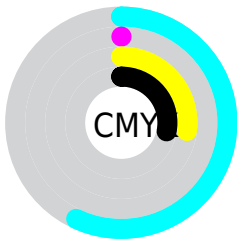
Distribution



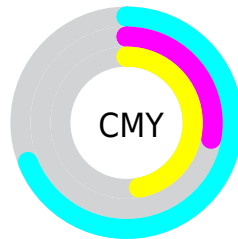
- Red (31%)
- Green (72%)
- Blue (53%)



- Red (31%)
- Yellow (58%)
- Blue (72%)



- Cyan (57%)
- Magenta (0%)
- Yellow (27%)
- Black (28%)




- Cyan (69%)
- Magenta (28%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6645, 0.2715, 0.4145 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 37.6645, 0.2715, 0.4145 by changing the saturation by 10% instead.


 37.6645, 0.2715,
0.4145


 37.6645, 0.2715,
0.4145


336.1786, 0.2939,
0.3679


 25.7224, 0.2653,
0.4275


 71.5936, 0.2801,
0.3966

 16.6161, 0.2568,
0.4451


 94.3494, 0.2832,
0.3902

 9.9611, 0.2448,
0.4702


 121.4786, 0.2858,
0.3848

 5.3732, 0.2265,
0.5087

 153.3655, 0.2879,
0.3804

 2.4679, 0.1956,
0.5737

190.3946, 0.2897,
0.3766

 0.8605, 0.0000,
1.0000

232.9502, 0.2913,

 0.0000, 0.0000,

0.3733

0.0000

281.4167, 0.2927,
0.3704

■ 37.6645, 0.2715,
0.4145

■ 37.6645, 0.2715,
0.4145

■ 36.7485, 0.2681,
0.4329

■ 38.8221, 0.2765,
0.3968

■ 36.0506, 0.2666,
0.4515

■ 40.2338, 0.2829,
0.3800

■ 35.5503, 0.2670,
0.4698

■ 41.9161, 0.2902,
0.3644

■ 35.2165, 0.2693,
0.4874

■ 43.8833, 0.2982,
0.3502

■ 35.1330, 0.2701,
0.4925

■ 46.1484, 0.3066,
0.3373

■ 48.7236, 0.3153,
0.3257

■ 51.6205, 0.3239,
0.3155

■ 54.8499, 0.3324,
0.3065

■ 58.4223, 0.3406,
0.2985

Harmonies

Analogous

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



37.6645, 0.3362, 0.4517



37.6645, 0.2715, 0.4145



37.6645, 0.2212, 0.3460

Triad

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



37.6645, 0.2715, 0.4145



37.6645, 0.2259, 0.2247



37.6645, 0.4453, 0.3541

Complementary

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



37.6645, 0.2715, 0.4145



17.3703, 0.3982, 0.2607

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.



37.6645, 0.4100, 0.3039



37.6645, 0.2715, 0.4145



37.6645, 0.2777, 0.2331

Square

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



37.6645, 0.2715, 0.4145



37.6645, 0.1980, 0.2396



37.6645, 0.3457, 0.2612



37.6645, 0.4393, 0.4043

Rectangle

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



37.6645, 0.2715, 0.4145



37.6645, 0.2014, 0.3005



37.6645, 0.3457, 0.2612



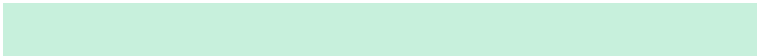
37.6645, 0.4379, 0.3370

Sweetspot

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



37.6660, 0.2715, 0.4145



79.4624, 0.2980, 0.3505



39.5727, 0.3428, 0.4893



16.9693, 0.2964, 0.3532



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.



37.6660, 0.2715, 0.4145



66.3216, 0.2676, 0.4368



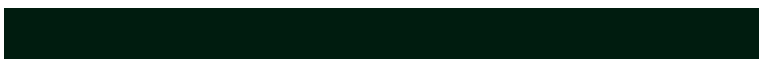
38.6823, 0.2415, 0.3260



10.1366, 0.3047, 0.3401



24.2278, 0.2696, 0.4904



0.8665, 0.2569, 0.4447

Inverse Universe

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



17.3703, 0.3982, 0.2607



26.0823, 0.4270, 0.2513



16.6060, 0.4816, 0.3318



9.0815, 0.3215, 0.3182



7.5182, 0.5032, 0.2546



0.2776, 0.4442, 0.2221

Previews

White Background



This preview shows how the Yxy color 37.6645, 0.2715, 0.4145 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 37.6645, 0.2715, 0.4145 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 37.6645, 0.2715, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 37.6645, 0.2715, 0.4145.

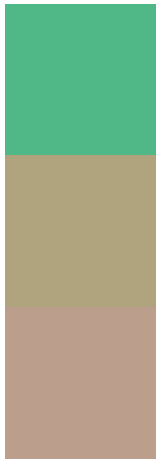


This preview shows how white text looks on a background with the Yxy color 37.6645, 0.2715, 0.4145.

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

37.6645, 0.2715, 0.4145

Protanopia

37.1455, 0.3590, 0.3847

Deuteranopia

37.0385, 0.3600, 0.3537



Tritanopia

37.7473, 0.2448, 0.3074

Trichromacy



Original Color

37.6645, 0.2715, 0.4145



Protanomaly

36.2598, 0.3202, 0.3967



Deuteranomaly

35.7683, 0.3199, 0.3737



Tritanomaly

37.7185, 0.2542, 0.3449

Monochromacy



Original Color

37.6645, 0.2715, 0.4145



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.2322, 0.2929, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6645, 0.2715, 0.4145 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(79, 184, 134)` looks like.

```
.text, #text, p{  
  color:rgb(79, 184, 134)  
}
```

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(79, 184, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 184, 134) }
```

Border

The CSS property to change the border of an element to Yxy 37.6645, 0.2715, 0.4145 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(79, 184, 134) }
```

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

```
.border{ border-color:rgb(79, 184, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 184, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 184, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 184, 134);  
box-shadow:4px 4px 4px 4px rgb(79, 184,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6645, 0.2715, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 184, 134) }
```

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

```
.background{ background-color: rgb(79, 184,  
134) }
```

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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