

Converting Colors

$Yxy(37.3980, 0.2613, 0.3981)$

Have a look what the booklet for
Yxy(37.3980, 0.2613, 0.3981)
contains.

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Color

Yxy(37.5662, 0.2616, 0.3991)

Conversions

Conversions Part 1

Format	Color
Hex	46B88F
RGB	70, 184, 143
RGB Percent	27%, 72%, 56%
CMY	0.7255, 0.2784, 0.4392
CMYK	0.62, 0.00, 0.22, 0.28
HSL	158°, 45%, 50%
HSV	158°, 62%, 72%
XYZ	24.6237, 37.5662, 31.9374
YIQ	145.2400, -54.7830, -36.9190

Conversions

Conversions Part 2

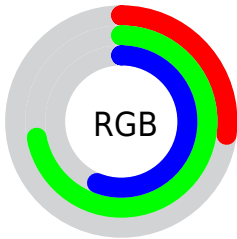
Format	Color
RYB	70, 139, 184
Decimal	4634767
CIELab	67.70, -42.03, 11.42
CIElCh	68, 43.556, 164.793
Yxy	37.5662, 0.2616, 0.3991
Android (android.graphics.Color)	4282824847 (0xFF46B88F)
YUV	145.2400, -1.1043, -65.9855
Hunter-Lab	61.2913, -35.5476, 12.0093

Details

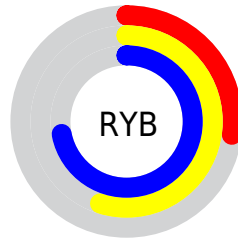
The Yxy color **37.5662, 0.2616, 0.3991** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **15.7192, 0.4332, 0.2743**, and the grayscale version is **28.4398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6089, 0.2717, 0.3846**, and **16.7556, 0.2503, 0.4212** is the 20% darker color. If you saturate the color by 10%, you get **36.7903, 0.2582, 0.4128**, and if you desaturate by 10%, it is **38.5665, 0.2668, 0.3858**.

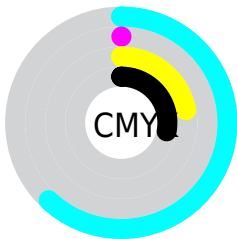
Distribution



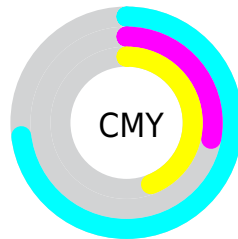
- Red (27%)
- Green (72%)
- Blue (56%)



- Red (27%)
- Yellow (55%)
- Blue (72%)



- Cyan (62%)
- Magenta (0%)
- Yellow (22%)
- Black (28%)




- Cyan (73%)
- Magenta (28%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5662, 0.2616, 0.3991 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 37.5662, 0.2616, 0.3991 by changing the saturation by 10% instead.


 37.5662, 0.2616,
0.3991


 37.5662, 0.2616,
0.3991


335.7554, 0.2887,
0.3613


 25.6462, 0.2543,
0.4096


 71.4427, 0.2718,
0.3846


 16.5591, 0.2446,
0.4236


 94.1681, 0.2756,
0.3794


 9.9207, 0.2311,
0.4436


 121.2639, 0.2787,
0.3751

 5.3464, 0.2112,
0.4738

 153.1148, 0.2813,
0.3715

 2.4519, 0.1790,
0.5247

 190.1049, 0.2836,
0.3683

 0.8524, 0.0000,
0.8682

232.6188, 0.2855,

 0.0000, 0.0000,

0.3657

0.0000

281.0408, 0.2872,
0.3633

■ 37.5662, 0.2616,
0.3991

■ 37.5662, 0.2616,
0.3991

■ 36.7903, 0.2582,
0.4128

■ 38.5665, 0.2668,
0.3858

■ 36.2144, 0.2567,
0.4267

■ 39.8043, 0.2737,
0.3730

■ 35.8160, 0.2572,
0.4404

■ 41.2968, 0.2818,
0.3611

■ 35.5861, 0.2587,
0.4512

■ 43.0584, 0.2908,
0.3500

■ 45.1024, 0.3006,
0.3398

■ 47.4411, 0.3107,
0.3307

■ 50.0862, 0.3210,
0.3225

■ 53.0486, 0.3314,
0.3152

■ 56.3389, 0.3416,
0.3087

Harmonies

Analogous

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



37.5662, 0.3226, 0.4432



37.5662, 0.2616, 0.3991



37.5662, 0.2172, 0.3316

Triad

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



37.5662, 0.2616, 0.3991



37.5662, 0.2372, 0.2279



37.5662, 0.4427, 0.3639

Complementary

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



37.5662, 0.2616, 0.3991



15.7192, 0.4332, 0.2743

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.



37.5662, 0.4163, 0.3145



37.5662, 0.2616, 0.3991



37.5662, 0.2917, 0.2402

Square

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



37.5662, 0.2616, 0.3991



37.5662, 0.2051, 0.2377



37.5662, 0.3584, 0.2709



37.5662, 0.4293, 0.4113

Rectangle

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



37.5662, 0.2616, 0.3991



37.5662, 0.2015, 0.2900



37.5662, 0.3584, 0.2709



37.5662, 0.4383, 0.3473

Sweetspot

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



37.5677, 0.2616, 0.3991



78.9787, 0.2933, 0.3472



38.1565, 0.3325, 0.5094



16.8112, 0.2906, 0.3502



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.



37.5677, 0.2616, 0.3991



66.3087, 0.2575, 0.4174



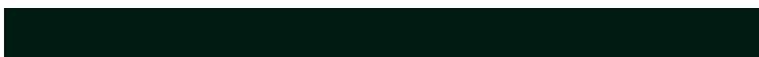
33.0658, 0.2328, 0.3039



10.1543, 0.3032, 0.3374



24.5385, 0.2582, 0.4496



0.8764, 0.2485, 0.4146

Inverse Universe

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



15.7192, 0.4332, 0.2743



23.4628, 0.4756, 0.2699



17.1618, 0.4913, 0.3493



9.0642, 0.3233, 0.3208



7.3082, 0.5507, 0.2807



0.2697, 0.4787, 0.2411

Previews

White Background



This preview shows how the Yxy color 37.5662, 0.2616, 0.3991 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 37.5662, 0.2616, 0.3991 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 37.5662, 0.2616, 0.3991

Background



This preview shows how black text looks on a background with the Yxy color 37.5662, 0.2616, 0.3991.



This preview shows how white text looks on a background with the Yxy color 37.5662, 0.2616, 0.3991.

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

37.5662, 0.2616, 0.3991

Protanopia

36.8865, 0.3508, 0.3720

Deuteranopia

36.9379, 0.3481, 0.3415



Tritanopia

37.3248, 0.2396, 0.3056

Trichromacy



Original Color

37.5662, 0.2616, 0.3991



Protanomaly

36.1662, 0.3093, 0.3827



Deuteranomaly

35.5837, 0.3076, 0.3599



Tritanomaly

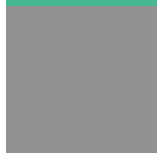
37.4478, 0.2473, 0.3385

Monochromacy



Original Color

37.5662, 0.2616, 0.3991



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.6614, 0.2877, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5662, 0.2616, 0.3991 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(70, 184, 143)` looks like.

```
.text, #text, p{  
    color:rgb(70, 184, 143)  
}
```

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(70, 184, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 184, 143) }
```

Border

The CSS property to change the border of an element to Yxy 37.5662, 0.2616, 0.3991 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(70, 184, 143) }
```

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

```
.border{ border-color:rgb(70, 184, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 184, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 184, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 184, 143);  
box-shadow:4px 4px 4px 4px rgb(70, 184,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5662, 0.2616, 0.3991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 184, 143) }
```

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

```
.background{ background-color: rgb(70, 184,  
143) }
```

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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