

Converting Colors

$Yxy(37.2379, 0.2616, 0.3953)$

Have a look what the booklet for
Yxy(37.2379, 0.2616, 0.3953)
contains.

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Color

Yxy(37.2583, 0.2616, 0.3956)

Conversions

Conversions Part 1

Format	Color
Hex	48B790
RGB	72, 183, 144
RGB Percent	28%, 72%, 56%
CMY	0.7179, 0.2823, 0.4352
CMYK	0.61, 0.00, 0.21, 0.28
HSL	159°, 44%, 50%
HSV	159°, 61%, 72%
XYZ	24.6379, 37.2583, 32.2855
YIQ	145.3650, -53.6370, -35.6610

Conversions

Conversions Part 2

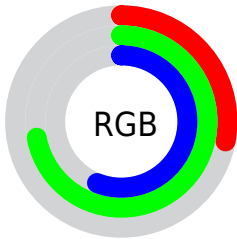
Format	Color
RYB	72, 139, 183
Decimal	4765584
CIELab	67.47, -40.98, 10.55
CIELCh	67, 42.317, 165.566
Yxy	37.2583, 0.2616, 0.3956
Android (android.graphics.Color)	4282955664 (0xFF48B790)
YUV	145.3650, -0.6729, -64.3411
Hunter-Lab	61.0396, -34.7697, 11.3676

Details

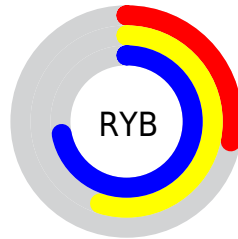
The Yxy color **37.2583, 0.2616, 0.3956** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **15.8423, 0.4310, 0.2763**, and the grayscale version is **28.4862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2227, 0.2720, 0.3820**, and **16.5087, 0.2490, 0.4165** is the 20% darker color. If you saturate the color by 10%, you get **36.4677, 0.2579, 0.4089**, and if you desaturate by 10%, it is **38.2723, 0.2671, 0.3827**.

Distribution



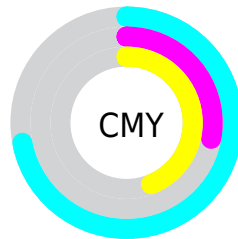
- Red (28%)
- Green (72%)
- Blue (56%)



- Red (28%)
- Yellow (55%)
- Blue (72%)



- Cyan (61%)
- Magenta (0%)
- Yellow (21%)
- Black (28%)





- Cyan (72%)
- Magenta (28%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2583, 0.2616, 0.3956 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 37.2583, 0.2616, 0.3956 by changing the saturation by 10% instead.


 37.2583, 0.2616,
0.3956


 37.2583, 0.2616,
0.3956


334.4275, 0.2887,
0.3597

 25.4075, 0.2543,
0.4055

 70.9699, 0.2718,
0.3819

 16.3810, 0.2447,
0.4189


 93.5995, 0.2755,
0.3769


 9.7941, 0.2312,
0.4377


 120.5908, 0.2786,
0.3728

 5.2627, 0.2114,
0.4664

 152.3283, 0.2813,
0.3694

 2.4022, 0.1795,
0.5147

 189.1963, 0.2835,
0.3664

 0.8270, 0.0000,
0.8353

231.5793, 0.2855,

 0.0000, 0.0000,

0.3639

0.0000

279.8615, 0.2872,
0.3616

■ 37.2583, 0.2616,
0.3956

■ 37.2583, 0.2616,
0.3956

■ 36.4677, 0.2579,
0.4089

■ 38.2723, 0.2671,
0.3827

■ 35.8766, 0.2561,
0.4224

■ 39.5224, 0.2742,
0.3704

■ 35.4637, 0.2562,
0.4358

■ 41.0252, 0.2825,
0.3588

■ 35.1961, 0.2578,
0.4481

■ 42.7948, 0.2918,
0.3481

■ 44.8443, 0.3017,
0.3384

■ 47.1856, 0.3120,
0.3296

■ 49.8301, 0.3225,
0.3217

■ 52.7887, 0.3329,
0.3147

■ 56.0715, 0.3432,
0.3085

Harmonies

Analogous

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



37.2583, 0.3210, 0.4394



37.2583, 0.2616, 0.3956



37.2583, 0.2187, 0.3300

Triad

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



37.2583, 0.2616, 0.3956



37.2583, 0.2402, 0.2302



37.2583, 0.4395, 0.3647

Complementary

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



37.2583, 0.2616, 0.3956



15.8423, 0.4310, 0.2763

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.



37.2583, 0.4147, 0.3162



37.2583, 0.2616, 0.3956



37.2583, 0.2939, 0.2427

Square

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



37.2583, 0.2616, 0.3956



37.2583, 0.2081, 0.2393



37.2583, 0.3589, 0.2732



37.2583, 0.4257, 0.4107

Rectangle

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



37.2583, 0.2616, 0.3956



37.2583, 0.2037, 0.2897



37.2583, 0.3589, 0.2732



37.2583, 0.4355, 0.3484

Sweetspot

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



37.2598, 0.2616, 0.3956



77.4687, 0.2941, 0.3457



37.8259, 0.3325, 0.5056



16.8881, 0.2913, 0.3487



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.



37.2598, 0.2616, 0.3956



64.8958, 0.2570, 0.4137



32.8737, 0.2340, 0.3045



10.1556, 0.3031, 0.3371



24.5647, 0.2574, 0.4465



0.8772, 0.2479, 0.4124

Inverse Universe

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



15.8423, 0.4310, 0.2763



23.1763, 0.4745, 0.2715



17.3121, 0.4857, 0.3491



9.0629, 0.3234, 0.3210



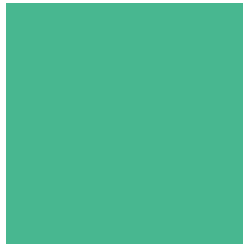
7.2952, 0.5540, 0.2826



0.2692, 0.4813, 0.2425

Previews

White Background



This preview shows how the Yxy color 37.2583, 0.2616, 0.3956 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 37.2583, 0.2616, 0.3956 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 37.2583, 0.2616, 0.3956

Background



This preview shows how black text looks on a background with the Yxy color 37.2583, 0.2616, 0.3956.



This preview shows how white text looks on a background with the Yxy color 37.2583, 0.2616, 0.3956.

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

37.2583, 0.2616, 0.3956

Protanopia

36.7999, 0.3489, 0.3707

Deuteranopia

36.5063, 0.3464, 0.3387



Tritanopia

37.3297, 0.2406, 0.3072

Trichromacy



Original Color

37.2583, 0.2616, 0.3956



Protanomaly

35.8187, 0.3086, 0.3796



Deuteranomaly

35.2502, 0.3068, 0.3568



Tritanomaly

37.1352, 0.2479, 0.3369

Monochromacy



Original Color

37.2583, 0.2616, 0.3956



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.6922, 0.2869, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2583, 0.2616, 0.3956 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(72, 183, 144)` looks like.

```
.text, #text, p{  
    color:rgb(72, 183, 144)  
}
```

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(72, 183, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 183, 144) }
```

Border

The CSS property to change the border of an element to Yxy 37.2583, 0.2616, 0.3956 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(72, 183, 144) }
```

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

```
.border{ border-color:rgb(72, 183, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 183, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 183, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 183, 144);  
box-shadow:4px 4px 4px 4px rgb(72, 183,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2583, 0.2616, 0.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 183, 144) }
```

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

```
.background{ background-color: rgb(72, 183,  
144) }
```

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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