

Converting Colors

$Yxy(37.2212, 0.2724, 0.3949)$

Have a look what the booklet for
Yxy(37.2212, 0.2724, 0.3949)
contains.

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Color

Yxy(37.2249, 0.2726, 0.3945)

Conversions

Conversions Part 1

Format	Color
Hex	5BB58E
RGB	91, 181, 142
RGB Percent	36%, 71%, 56%
CMY	0.6430, 0.2902, 0.4432
CMYK	0.50, 0.00, 0.22, 0.29
HSL	154°, 38%, 53%
HSV	154°, 50%, 71%
XYZ	25.7225, 37.2249, 31.4123
YIQ	149.6440, -41.1210, -31.2090

Conversions

Conversions Part 2

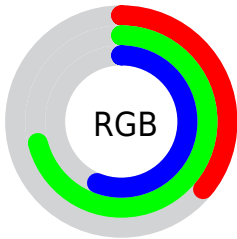
Format	Color
RYB	91, 148, 181
Decimal	6010254
CIELab	67.45, -36.26, 11.72
CIELCh	67, 38.109, 162.091
Yxy	37.2249, 0.2726, 0.3945
Android (android.graphics.Color)	4284200334 (0xFF5BB58E)
YUV	149.6440, -3.7685, -51.4308
Hunter-Lab	61.0122, -31.5166, 12.1829

Details

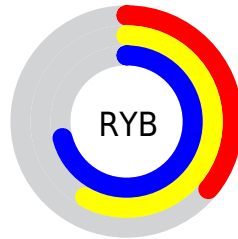
The Yxy color **37.2249, 0.2726, 0.3945** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **18.9266, 0.3881, 0.2737**, and the grayscale version is **30.3742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6649, 0.2803, 0.3802**, and **16.2585, 0.2587, 0.4158** is the 20% darker color. If you saturate the color by 10%, you get **36.1868, 0.2676, 0.4107**, and if you desaturate by 10%, it is **38.5045, 0.2790, 0.3791**.

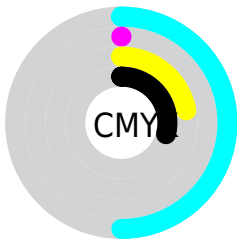
Distribution



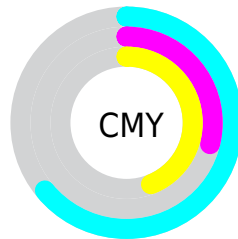
- Red (36%)
- Green (71%)
- Blue (56%)



- Red (36%)
- Yellow (58%)
- Blue (71%)



- Cyan (50%)
- Magenta (0%)
- Yellow (22%)
- Black (29%)





- Cyan (64%)
- Magenta (29%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2249, 0.2726, 0.3945 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 37.2249, 0.2726, 0.3945 by changing the saturation by 10% instead.


 37.2249, 0.2726,
0.3945


 37.2249, 0.2726,
0.3945


334.2832, 0.2940,
0.3591


 25.3817, 0.2668,
0.4043


 70.9185, 0.2807,
0.3810


 16.3616, 0.2590,
0.4175


 93.5378, 0.2837,
0.3761

 9.7804, 0.2480,
0.4362


 120.5177, 0.2861,
0.3721

 5.2536, 0.2316,
0.4647

 152.2429, 0.2882,
0.3687

 2.3968, 0.2044,
0.5130

189.0976, 0.2900,
0.3657

 0.8243, 0.0000,
0.9134

231.4663, 0.2915,

 0.0000, 0.0000,

0.3632

0.0000

279.7334, 0.2929,
0.3611

■ 37.2249, 0.2726,
0.3945

■ 37.2249, 0.2726,
0.3945

■ 36.1868, 0.2676,
0.4107

■ 38.5045, 0.2790,
0.3791

■ 35.3690, 0.2643,
0.4274

■ 40.0361, 0.2866,
0.3647

■ 34.7544, 0.2630,
0.4443


■ 41.8347, 0.2949,
0.3515


■ 34.3209, 0.2637,
0.4609

■ 43.9130, 0.3038,
0.3395

■ 34.0250, 0.2659,
0.4771

■ 46.2830, 0.3130,
0.3287

 34.0167, 0.2660,
0.4776

 48.9558, 0.3222,
0.3191

 51.9418, 0.3314,
0.3105

 55.2512, 0.3404,
0.3030

 58.8935, 0.3490,
0.2965

Harmonies

Analogous

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



37.2249, 0.3275, 0.4298



37.2249, 0.2726, 0.3945



37.2249, 0.2309, 0.3373

Triad

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



37.2249, 0.2726, 0.3945



37.2249, 0.2424, 0.2388



37.2249, 0.4262, 0.3573

Complementary

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



37.2249, 0.2726, 0.3945



18.9266, 0.3881, 0.2737

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.



37.2249, 0.3999, 0.3130



37.2249, 0.2726, 0.3945



37.2249, 0.2895, 0.2479

Square

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



37.2249, 0.2726, 0.3945



37.2249, 0.2153, 0.2501



37.2249, 0.3478, 0.2743



37.2249, 0.4182, 0.3997

Rectangle

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



37.2249, 0.2726, 0.3945



37.2249, 0.2151, 0.3000



37.2249, 0.3478, 0.2743



37.2249, 0.4211, 0.3424

Sweetspot

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



37.2264, 0.2726, 0.3945



76.5183, 0.2988, 0.3460



38.6709, 0.3379, 0.4691



16.3752, 0.2970, 0.3485



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.2264, 0.2726, 0.3945



64.5974, 0.2671, 0.4129



36.8104, 0.2472, 0.3217



9.5680, 0.3042, 0.3391



23.4646, 0.2654, 0.4756



0.7497, 0.2528, 0.4301

Inverse Universe

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



18.9266, 0.3881, 0.2737



27.9342, 0.4154, 0.2635



18.8620, 0.4466, 0.3358



8.5644, 0.3221, 0.3192



7.1700, 0.5205, 0.2641



0.2374, 0.4512, 0.2259

Previews

White Background



This preview shows how the Yxy color 37.2249, 0.2726, 0.3945 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 37.2249, 0.2726, 0.3945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

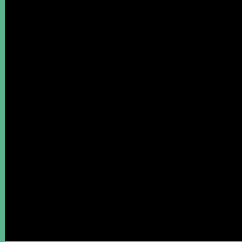
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2249, 0.2726, 0.3945

Background



This preview shows how black text looks on a background with the Yxy color 37.2249, 0.2726, 0.3945.



This preview shows how white text looks on a background with the Yxy color 37.2249, 0.2726, 0.3945.

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

37.2249, 0.2726, 0.3945

Protanopia

36.7721, 0.3498, 0.3722

Deuteranopia

36.5348, 0.3503, 0.3429



Tritanopia

37.2771, 0.2493, 0.3074

Trichromacy



Original Color

37.2249, 0.2726, 0.3945



Protanomaly

36.3667, 0.3165, 0.3819



Deuteranomaly

35.8961, 0.3168, 0.3609



Tritanomaly

37.0755, 0.2572, 0.3368

Monochromacy



Original Color

37.2249, 0.2726, 0.3945



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

32.2634, 0.2950, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2249, 0.2726, 0.3945 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(91, 181, 142)` looks like.

```
.text, #text, p{  
    color:rgb(91, 181, 142)  
}
```

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(91, 181, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 181, 142) }
```

Border

The CSS property to change the border of an element to Yxy 37.2249, 0.2726, 0.3945 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(91, 181, 142) }
```

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

```
.border{ border-color:rgb(91, 181, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 181, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 181, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 181, 142);  
box-shadow:4px 4px 4px 4px rgb(91, 181,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2249, 0.2726, 0.3945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 181, 142) }
```

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

```
.background{ background-color: rgb(91, 181,  
142) }
```

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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