

Converting Colors

$Yxy(40.7494, 0.2735, 0.3762)$

Have a look what the booklet for
Yxy(40.7494, 0.2735, 0.3762)
contains.

Yxy(40.5823, 0.2736, 0.3764)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.5823, 0.2736, 0.3764)

Conversions

Conversions Part 1

Format	Color
Hex	6ABA9C
RGB	106, 186, 156
RGB Percent	42%, 73%, 61%
CMY	0.5846, 0.2705, 0.3882
CMYK	0.43, 0.00, 0.16, 0.27
HSL	158°, 37%, 57%
HSV	158°, 43%, 73%
XYZ	29.4987, 40.5823, 37.7359
YIQ	158.6600, -38.0500, -26.2900

Conversions

Conversions Part 2

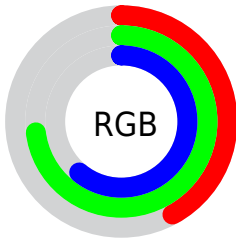
Format	Color
RYB	106, 155, 186
Decimal	6994588
CIELab	69.88, -31.66, 7.59
CIElCh	70, 32.553, 166.520
Yxy	40.5823, 0.2736, 0.3764
Android (android.graphics.Color)	4285184668 (0xFF6ABA9C)
YUV	158.6600, -1.3114, -46.1828
Hunter-Lab	63.7042, -28.8267, 9.4719

Details

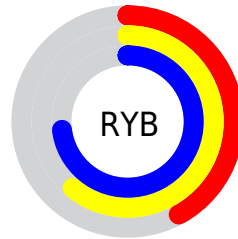
The Yxy color **40.5823, 0.2736, 0.3764** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **22.5119, 0.3806, 0.2872**, and the grayscale version is **34.5215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3314, 0.2816, 0.3681**, and **18.2263, 0.2609, 0.3908** is the 20% darker color. If you saturate the color by 10%, you get **39.3366, 0.2671, 0.3898**, and if you desaturate by 10%, it is **42.0919, 0.2814, 0.3638**.

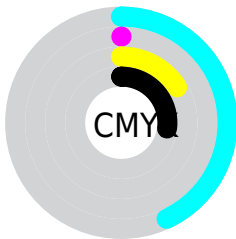
Distribution



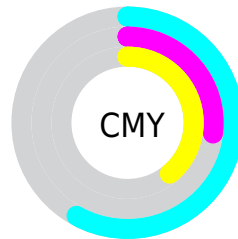
- Red (42%)
- Green (73%)
- Blue (61%)



- Red (42%)
- Yellow (61%)
- Blue (73%)



- Cyan (43%)
- Magenta (0%)
- Yellow (16%)
- Black (27%)




- Cyan (58%)
- Magenta (27%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5823, 0.2736, 0.3764 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 40.5823, 0.2736, 0.3764 by changing the saturation by 10% instead.


 40.5823, 0.2736,
0.3764


 40.5823, 0.2736,
0.3764


348.5718, 0.2939,
0.3514


 27.9928, 0.2683,
0.3831


 76.0494, 0.2812,
0.3670


 18.3203, 0.2613,
0.3919


 99.6958, 0.2839,
0.3636

 11.1802, 0.2517,
0.4042


 127.7967, 0.2863,
0.3607

 6.1882, 0.2379,
0.4223

 160.7365, 0.2883,
0.3583

 2.9598, 0.2160,
0.4518

198.8995, 0.2900,
0.3562

 1.1108, 0.1310,
0.5449

242.6701, 0.2915,

 0.0000, 0.0000,

0.3544

0.0000

292.4327, 0.2928,
0.3528

■ 40.5823, 0.2736,
0.3764

■ 40.5823, 0.2736,
0.3764

■ 39.3366, 0.2671,
0.3898

■ 42.0919, 0.2814,
0.3638

■ 38.3336, 0.2621,
0.4038

■ 43.8754, 0.2902,
0.3521

■ 37.5566, 0.2591,
0.4182


■ 45.9483, 0.2997,
0.3414

■ 36.9846, 0.2579,
0.4327

■ 48.3234, 0.3096,
0.3317

■ 36.5924, 0.2588,
0.4470


■ 51.0127, 0.3198,
0.3231

 36.3913, 0.2602,
0.4567

 54.0275, 0.3299,
0.3154

 57.3787, 0.3399,
0.3086

 61.0766, 0.3496,
0.3026

 61.4832, 0.3441,
0.2956

Harmonies

Analogous

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



40.5823, 0.3189, 0.4089



40.5823, 0.2736, 0.3764



40.5823, 0.2404, 0.3294

Triad

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



40.5823, 0.2736, 0.3764



40.5823, 0.2587, 0.2528



40.5823, 0.4078, 0.3597

Complementary

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



40.5823, 0.2736, 0.3764



22.5119, 0.3806, 0.2872

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.



40.5823, 0.3898, 0.3217



40.5823, 0.2736, 0.3764



40.5823, 0.3007, 0.2628

Square

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



40.5823, 0.2736, 0.3764



40.5823, 0.2326, 0.2604



40.5823, 0.3493, 0.2873



40.5823, 0.3978, 0.3938

Rectangle

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



40.5823, 0.2736, 0.3764



40.5823, 0.2286, 0.2996



40.5823, 0.3493, 0.2873



40.5823, 0.4048, 0.3470

Sweetspot

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



40.5839, 0.2736, 0.3764



83.2048, 0.2996, 0.3416



41.4496, 0.3310, 0.4511



18.1295, 0.2974, 0.3439



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



40.5839, 0.2736, 0.3764



71.3281, 0.2672, 0.3896



37.9202, 0.2527, 0.3146



10.1520, 0.3034, 0.3377



24.4944, 0.2597, 0.4549



0.8751, 0.2496, 0.4185

Inverse Universe

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



22.5119, 0.3806, 0.2872



34.1383, 0.4048, 0.2784



23.8055, 0.4174, 0.3425



9.0664, 0.3231, 0.3205



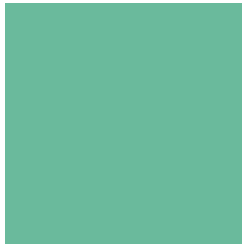
7.3314, 0.5448, 0.2775



0.2706, 0.4742, 0.2386

Previews

White Background



This preview shows how the Yxy color 40.5823, 0.2736, 0.3764 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 40.5823, 0.2736, 0.3764 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 40.5823, 0.2736, 0.3764

Background



This preview shows how black text looks on a background with the Yxy color 40.5823, 0.2736, 0.3764.



This preview shows how white text looks on a background with the Yxy color 40.5823, 0.2736, 0.3764.

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

40.5823, 0.2736, 0.3764

Protanopia

39.9475, 0.3404, 0.3596

Deuteranopia

40.0713, 0.3403, 0.3331



Tritanopia

40.7009, 0.2544, 0.3084

Trichromacy



Original Color

40.5823, 0.2736, 0.3764

Protanomaly

39.5374, 0.3127, 0.3660

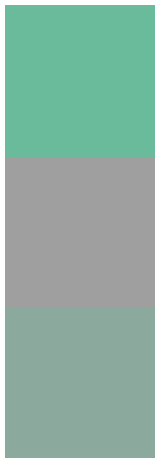
Deuteranomaly

39.3792, 0.3118, 0.3478

Tritanomaly

40.6479, 0.2609, 0.3319

Monochromacy



Original Color

40.5823, 0.2736, 0.3764

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.4200, 0.2960, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5823, 0.2736, 0.3764 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(106, 186, 156)` looks like.

```
.text, #text, p{  
    color:rgb(106, 186, 156)  
}
```

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(106, 186, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 186, 156) }
```

Border

The CSS property to change the border of an element to Yxy 40.5823, 0.2736, 0.3764 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(106, 186, 156) }
```

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

```
.border{ border-color:rgb(106, 186, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 186, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 186, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 186, 156);  
box-shadow:4px 4px 4px 4px rgb(106, 186,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5823, 0.2736, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 186, 156) }
```

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

```
.background{ background-color: rgb(106,  
186, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor