

Converting Colors

$Yxy(36.7984, 0.2683, 0.3600)$

Have a look what the booklet for
Yxy(36.7984, 0.2683, 0.3600)
contains.

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Color

Yxy(36.7377, 0.2681, 0.3598)

Conversions

Conversions Part 1

Format	Color
Hex	66B19E
RGB	102, 177, 158
RGB Percent	40%, 69%, 62%
CMY	0.5999, 0.3059, 0.3804
CMYK	0.42, 0.00, 0.11, 0.31
HSL	165°, 32%, 55%
HSV	165°, 42%, 69%
XYZ	27.3746, 36.7377, 37.9936
YIQ	152.4090, -38.6010, -21.8090

Conversions

Conversions Part 2

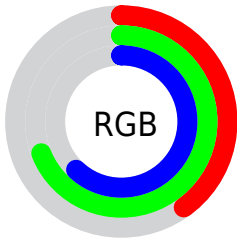
Format	Color
RYB	102, 145, 177
Decimal	6730142
CIELab	67.08, -27.91, 2.44
CIElCh	67, 28.012, 175.008
Yxy	36.7377, 0.2681, 0.3598
Android (android.graphics.Color)	4284920222 (0xFF66B19E)
YUV	152.4090, 2.7564, -44.2087
Hunter-Lab	60.6116, -25.4528, 5.2630

Details

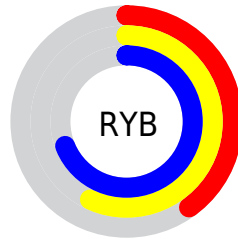
The Yxy color **36.7377, 0.2681, 0.3598** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.2357, 0.3920, 0.3012**, and the grayscale version is **31.5885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2500, 0.2768, 0.3532**, and **16.1052, 0.2540, 0.3692** is the 20% darker color. If you saturate the color by 10%, you get **35.6611, 0.2604, 0.3685**, and if you desaturate by 10%, it is **38.0437, 0.2772, 0.3516**.

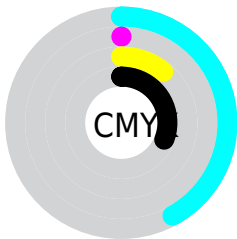
Distribution



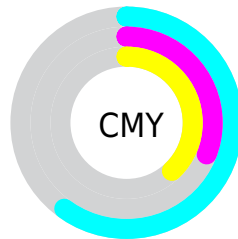
- Red (40%)
- Green (69%)
- Blue (62%)



- Red (40%)
- Yellow (57%)
- Blue (69%)



- Cyan (42%)
- Magenta (0%)
- Yellow (11%)
- Black (31%)



- Cyan (60%)
- Magenta (31%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7377, 0.2681, 0.3598 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 36.7377, 0.2681, 0.3598 by changing the saturation by 10% instead.


 36.7377, 0.2681,
0.3598


 36.7377, 0.2681,
0.3598


332.1735, 0.2913,
0.3436


 25.0045, 0.2620,
0.3641


 70.1692, 0.2768,
0.3537


 16.0804, 0.2540,
0.3698


 92.6362, 0.2799,
0.3515

 9.5811, 0.2430,
0.3777


 119.4500, 0.2826,
0.3497

 5.1221, 0.2271,
0.3894

 150.9949, 0.2849,
0.3481

 2.3191, 0.2019,
0.4082

187.6553, 0.2868,
0.3467

 0.7838, 0.0416,
0.5121

229.8156, 0.2885,

 0.0000, 0.0000,

0.3456

0.0000

277.8602, 0.2900,
0.3445

■ 36.7377, 0.2681,
0.3598

■ 36.7377, 0.2681,
0.3598

■ 35.6611, 0.2604,
0.3685

■ 38.0437, 0.2772,
0.3516

■ 34.7952, 0.2543,
0.3776

■ 39.5876, 0.2874,
0.3439

■ 34.1257, 0.2501,
0.3869


■ 41.3830, 0.2984,
0.3369

■ 33.6342, 0.2478,
0.3963

■ 43.4410, 0.3099,
0.3304

■ 33.2993, 0.2474,
0.4056


■ 45.7720, 0.3218,
0.3246

 33.1142, 0.2480,
0.4127

 48.3861, 0.3337,
0.3195

 51.2926, 0.3456,
0.3149

 54.5004, 0.3572,
0.3109

 56.7991, 0.3631,
0.3069

Harmonies

Analogous

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



36.7377, 0.3066, 0.3935



36.7377, 0.2681, 0.3598



36.7377, 0.2425, 0.3181

Triad

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



36.7377, 0.2681, 0.3598



36.7377, 0.2740, 0.2615



36.7377, 0.3973, 0.3664

Complementary

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



36.7377, 0.2681, 0.3598



20.2357, 0.3920, 0.3012

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.



36.7377, 0.3881, 0.3325



36.7377, 0.2681, 0.3598



36.7377, 0.3144, 0.2745

Square

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



36.7377, 0.2681, 0.3598



36.7377, 0.2458, 0.2640



36.7377, 0.3569, 0.2998



36.7377, 0.3821, 0.3939

Rectangle

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



36.7377, 0.2681, 0.3598



36.7377, 0.2352, 0.2935



36.7377, 0.3569, 0.2998



36.7377, 0.3970, 0.3554

Sweetspot

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



36.7392, 0.2681, 0.3598



73.8196, 0.2974, 0.3374



36.5432, 0.3231, 0.4515



15.8404, 0.2950, 0.3389



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



36.7392, 0.2681, 0.3598



63.9527, 0.2607, 0.3681



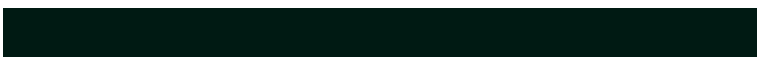
30.9712, 0.2513, 0.3004



9.5940, 0.3018, 0.3348



24.0024, 0.2477, 0.4117



0.7640, 0.2405, 0.3858

Inverse Universe

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



20.2357, 0.3920, 0.3012



30.3861, 0.4202, 0.2955



23.6243, 0.4088, 0.3552



8.5394, 0.3249, 0.3232



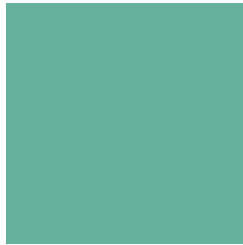
6.9173, 0.5884, 0.3015



0.2272, 0.5089, 0.2577

Previews

White Background



This preview shows how the Yxy color 36.7377, 0.2681, 0.3598 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 36.7377, 0.2681, 0.3598 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 36.7377, 0.2681, 0.3598

Background



This preview shows how black text looks on a background with the Yxy color 36.7377, 0.2681, 0.3598.

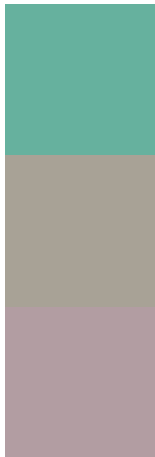


This preview shows how white text looks on a background with the Yxy color 36.7377, 0.2681, 0.3598.

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

36.7377, 0.2681, 0.3598

Protanopia

36.3675, 0.3293, 0.3464

Deuteranopia

36.1876, 0.3288, 0.3221



Tritanopia

36.7900, 0.2536, 0.3075

Trichromacy



Original Color

36.7377, 0.2681, 0.3598

Protanomaly

35.8666, 0.3035, 0.3504

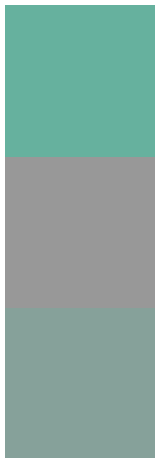
Deuteranomaly

35.6082, 0.3024, 0.3335

Tritanomaly

36.5325, 0.2589, 0.3257

Monochromacy



Original Color

36.7377, 0.2681, 0.3598

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.8912, 0.2937, 0.3401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7377, 0.2681, 0.3598 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(102, 177, 158)` looks like.

```
.text, #text, p{  
    color:rgb(102, 177, 158)  
}
```

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(102, 177, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 177, 158) }
```

Border

The CSS property to change the border of an element to Yxy 36.7377, 0.2681, 0.3598 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(102, 177, 158) }
```

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

```
.border{ border-color:rgb(102, 177, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 177, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 177, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 177, 158);  
box-shadow:4px 4px 4px 4px rgb(102, 177,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7377, 0.2681, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 177, 158) }
```

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

```
.background{ background-color: rgb(102,  
177, 158) }
```

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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