

Converting Colors

$Yxy(36.9292, 0.2809, 0.4050)$

Have a look what the booklet for
Yxy(36.9292, 0.2809, 0.4050)
contains.

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Color

Yxy(36.9332, 0.2808, 0.4047)

Conversions

Conversions Part 1

Format	Color
Hex	61B487
RGB	97, 180, 135
RGB Percent	38%, 71%, 53%
CMY	0.6195, 0.2941, 0.4706
CMYK	0.46, 0.00, 0.25, 0.29
HSL	147°, 36%, 54%
HSV	147°, 46%, 71%
XYZ	25.6260, 36.9332, 28.7015
YIQ	150.0530, -35.0230, -31.5910

Conversions

Conversions Part 2

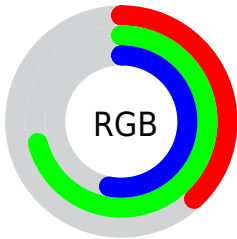
Format	Color
RYB	97, 154, 180
Decimal	6403207
CIELab	67.23, -35.73, 15.26
CIELCh	67, 38.847, 156.873
Yxy	36.9332, 0.2808, 0.4047
Android (android.graphics.Color)	4284593287 (0xFF61B487)
YUV	150.0530, -7.4211, -46.5275
Hunter-Lab	60.7727, -31.0842, 14.5396

Details

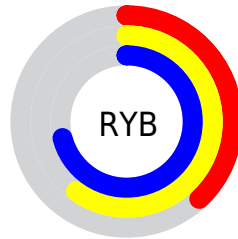
The Yxy color **36.9332, 0.2808, 0.4047** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **20.2101, 0.3671, 0.2652**, and the grayscale version is **30.5690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2971, 0.2879, 0.3890**, and **16.3060, 0.2694, 0.4330** is the 20% darker color. If you saturate the color by 10%, you get **35.7928, 0.2762, 0.4250**, and if you desaturate by 10%, it is **38.3261, 0.2866, 0.3856**.

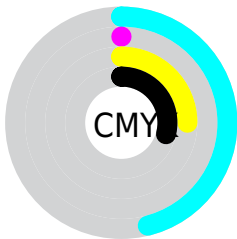
Distribution



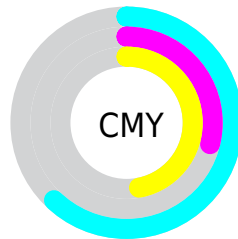
- Red (38%)
- Green (71%)
- Blue (53%)



- Red (38%)
- Yellow (60%)
- Blue (71%)



- Cyan (46%)
- Magenta (0%)
- Yellow (25%)
- Black (29%)





- Cyan (62%)
- Magenta (29%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9332, 0.2808, 0.4047 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 36.9332, 0.2808, 0.4047 by changing the saturation by 10% instead.


 36.9332, 0.2808,
0.4047


 36.9332, 0.2808,
0.4047


333.0212, 0.2983,
0.3635


 25.1558, 0.2759,
0.4162


 70.4700, 0.2875,
0.3889


 16.1932, 0.2692,
0.4317


 92.9982, 0.2899,
0.3832

 9.6609, 0.2596,
0.4539


 119.8788, 0.2919,
0.3785

 5.1747, 0.2449,
0.4879

 151.4962, 0.2936,
0.3746

 2.3501, 0.2194,
0.5459

188.2347, 0.2950,
0.3712

 0.8001, 0.0000,
1.0000

230.4788, 0.2963,

 0.0000, 0.0000,

0.3683

0.0000

278.6128, 0.2973,
0.3658

■ 36.9332, 0.2808,
0.4047

■ 36.9332, 0.2808,
0.4047

■ 35.7928, 0.2762,
0.4250

■ 38.3261, 0.2866,
0.3856

■ 34.8845, 0.2732,
0.4459

■ 39.9817, 0.2932,
0.3678

■ 34.1917, 0.2719,
0.4670


■ 41.9148, 0.3005,
0.3517

■ 33.6935, 0.2726,
0.4876

■ 44.1379, 0.3080,
0.3371


■ 33.3632, 0.2751,
0.5071

■ 46.6628, 0.3157,
0.3241

 33.2580, 0.2762,
0.5144

 49.5006, 0.3233,
0.3126

 52.6616, 0.3308,
0.3025

 56.1559, 0.3380,
0.2937

 59.2223, 0.3415,
0.2854

Harmonies

Analogous

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



36.9332, 0.3377, 0.4347



36.9332, 0.2808, 0.4047



36.9332, 0.2351, 0.3480

Triad

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



36.9332, 0.2808, 0.4047



36.9332, 0.2346, 0.2374



36.9332, 0.4265, 0.3497

Complementary

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



36.9332, 0.2808, 0.4047



20.2101, 0.3671, 0.2652

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.



36.9332, 0.3939, 0.3051



36.9332, 0.2808, 0.4047



36.9332, 0.2794, 0.2434

Square

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



36.9332, 0.2808, 0.4047



36.9332, 0.2109, 0.2528



36.9332, 0.3381, 0.2675



36.9332, 0.4243, 0.3940

Rectangle

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



36.9332, 0.2808, 0.4047



36.9332, 0.2163, 0.3086



36.9332, 0.3381, 0.2675



36.9332, 0.4193, 0.3345

Sweetspot

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



36.9347, 0.2808, 0.4047



76.7093, 0.3019, 0.3488



39.3155, 0.3443, 0.4550



16.4045, 0.3003, 0.3521



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.



36.9347, 0.2808, 0.4047



64.9291, 0.2763, 0.4246



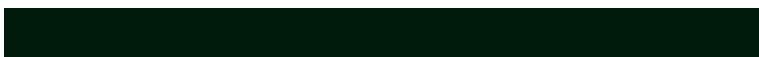
38.3140, 0.2545, 0.3354



9.5526, 0.3056, 0.3416



23.2251, 0.2756, 0.5122



0.7426, 0.2604, 0.4573

Inverse Universe

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



20.2101, 0.3671, 0.2652



30.9300, 0.3846, 0.2529



19.1996, 0.4287, 0.3234



8.5798, 0.3205, 0.3167



7.3963, 0.4753, 0.2392



0.2443, 0.4213, 0.2095

Previews

White Background



This preview shows how the Yxy color 36.9332, 0.2808, 0.4047 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 36.9332, 0.2808, 0.4047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

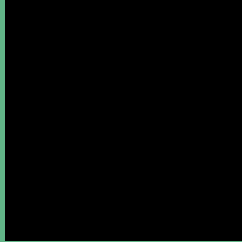
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9332, 0.2808, 0.4047

Background



This preview shows how black text looks on a background with the Yxy color 36.9332, 0.2808, 0.4047.



This preview shows how white text looks on a background with the Yxy color 36.9332, 0.2808, 0.4047.

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

36.9332, 0.2808, 0.4047

Protanopia

36.2572, 0.3558, 0.3795

Deuteranopia

36.5722, 0.3593, 0.3525



Tritanopia

36.7900, 0.2536, 0.3075

Trichromacy



Original Color

36.9332, 0.2808, 0.4047

Protanomaly

36.0074, 0.3235, 0.3897

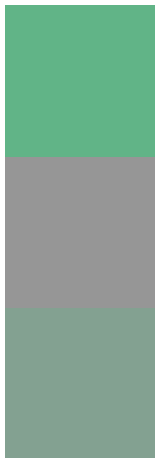
Deuteranomaly

35.6153, 0.3259, 0.3700

Tritanomaly

36.8811, 0.2632, 0.3416

Monochromacy



Original Color

36.9332, 0.2808, 0.4047

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.3594, 0.2985, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9332, 0.2808, 0.4047 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(97, 180, 135)` looks like.

```
.text, #text, p{  
    color:rgb(97, 180, 135)  
}
```

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(97, 180, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 180, 135) }
```

Border

The CSS property to change the border of an element to Yxy 36.9332, 0.2808, 0.4047 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(97, 180, 135) }
```

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

```
.border{ border-color:rgb(97, 180, 135) }
```

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

Here you see how a box with a 4 pixel rgb(97, 180, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 180, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 180, 135);  
box-shadow:4px 4px 4px 4px rgb(97, 180,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9332, 0.2808, 0.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 180, 135) }
```

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

```
.background{ background-color: rgb(97, 180,  
135) }
```

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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