

Converting Colors

$Yxy(36.3253, 0.2892, 0.4094)$

Have a look what the booklet for
Yxy(36.3253, 0.2892, 0.4094)
contains.

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Color

Yxy(36.3956, 0.2888, 0.4096)

Conversions

Conversions Part 1

Format	Color
Hex	68B282
RGB	104, 178, 130
RGB Percent	41%, 70%, 51%
CMY	0.5921, 0.3020, 0.4901
CMYK	0.42, 0.00, 0.27, 0.30
HSL	141°, 32%, 55%
HSV	141°, 42%, 70%
XYZ	25.6617, 36.3956, 26.7991
YIQ	150.4020, -28.6960, -30.6160

Conversions

Conversions Part 2

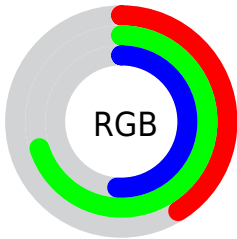
Format	Color
RYB	104, 159, 178
Decimal	6861442
CIELab	66.82, -33.83, 17.46
CIElCh	67, 38.065, 152.703
Yxy	36.3956, 0.2888, 0.4096
Android (android.graphics.Color)	4285051522 (0xFF68B282)
YUV	150.4020, -10.0582, -40.6946
Hunter-Lab	60.3288, -29.6477, 15.8925

Details

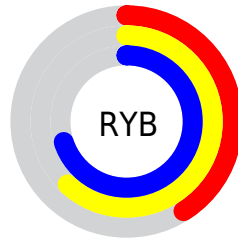
The Yxy color **36.3956, 0.2888, 0.4096** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.6374, 0.3493, 0.2608**, and the grayscale version is **30.7354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5336, 0.2940, 0.3927**, and **15.9502, 0.2801, 0.4402** is the 20% darker color. If you saturate the color by 10%, you get **35.1488, 0.2846, 0.4335**, and if you desaturate by 10%, it is **37.9050, 0.2939, 0.3872**.

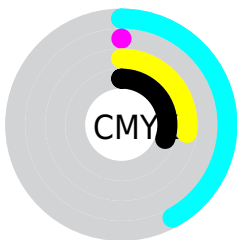
Distribution



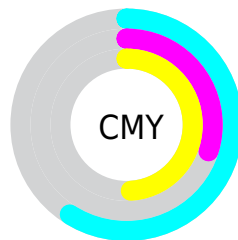
- Red (41%)
- Green (70%)
- Blue (51%)



- Red (41%)
- Yellow (62%)
- Blue (70%)



- Cyan (42%)
- Magenta (0%)
- Yellow (27%)
- Black (30%)



- Cyan (59%)
- Magenta (30%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3956, 0.2888, 0.4096 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 36.3956, 0.2888, 0.4096 by changing the saturation by 10% instead.

 36.3956, 0.2888,
0.4096


 36.3956, 0.2888,
0.4096

330.6863, 0.3023,
0.3656


 24.7399, 0.2849,
0.4219


 69.6422, 0.2941,
0.3926


 15.8834, 0.2794,
0.4387


 92.0019, 0.2960,
0.3866

 9.4417, 0.2714,
0.4626


 118.6984, 0.2975,
0.3816

 5.0304, 0.2586,
0.4994

 150.1161, 0.2988,
0.3773

 2.2651, 0.2359,
0.5634

186.6393, 0.2998,
0.3738

 0.7551, 0.0000,
1.0000


228.6525, 0.3008,


 0.0000, 0.0000,

0.3707


0.0000

276.5400, 0.3016,
0.3680

 36.3956, 0.2888,
0.4096

 36.3956, 0.2888,
0.4096


 35.1488, 0.2846,
0.4335

 37.9050, 0.2939,
0.3872


 34.1447, 0.2816,
0.4583


 39.6867, 0.2996,
0.3666


 33.3677, 0.2802,
0.4832


 41.7552, 0.3056,
0.3480

 32.7984, 0.2805,
0.5072


 44.1226, 0.3118,
0.3314

 32.4139, 0.2825,
0.5293

 46.8006, 0.3179,
0.3167

 32.1942, 0.2850,
0.5460

 49.8000, 0.3238,
0.3038

 53.1311, 0.3296,
0.2926

 56.8038, 0.3350,
0.2827

 59.0361, 0.3327,
0.2728

Harmonies

Analogous

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



36.3956, 0.3453, 0.4341



36.3956, 0.2888, 0.4096



36.3956, 0.2414, 0.3561

Triad

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



36.3956, 0.2888, 0.4096



36.3956, 0.2311, 0.2395



36.3956, 0.4223, 0.3433

Complementary

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



36.3956, 0.2888, 0.4096



21.6374, 0.3493, 0.2608

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.



36.3956, 0.3860, 0.2998



36.3956, 0.2888, 0.4096



36.3956, 0.2727, 0.2426

Square

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



36.3956, 0.2888, 0.4096



36.3956, 0.2109, 0.2579



36.3956, 0.3294, 0.2641



36.3956, 0.4250, 0.3875

Rectangle

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



36.3956, 0.2888, 0.4096



36.3956, 0.2207, 0.3167



36.3956, 0.3294, 0.2641



36.3956, 0.4135, 0.3283

Sweetspot

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



36.3971, 0.2888, 0.4096



75.4622, 0.3052, 0.3492



39.5260, 0.3488, 0.4392



16.6064, 0.3044, 0.3514



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.



36.3971, 0.2888, 0.4096



63.8837, 0.2849, 0.4318



37.5712, 0.2638, 0.3465



9.5378, 0.3070, 0.3441



23.0467, 0.2844, 0.5439



0.7365, 0.2677, 0.4839

Inverse Universe

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



21.6374, 0.3493, 0.2608



33.4343, 0.3608, 0.2463



20.6110, 0.4010, 0.3129



8.5950, 0.3189, 0.3143



7.6775, 0.4325, 0.2156



0.2521, 0.3941, 0.1945

Previews

White Background



This preview shows how the Yxy color 36.3956, 0.2888, 0.4096 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 36.3956, 0.2888, 0.4096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

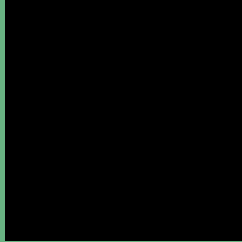
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3956, 0.2888, 0.4096

Background



This preview shows how black text looks on a background with the Yxy color 36.3956, 0.2888, 0.4096.



This preview shows how white text looks on a background with the Yxy color 36.3956, 0.2888, 0.4096.

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

36.3956, 0.2888, 0.4096

Protanopia

36.1300, 0.3604, 0.3868

Deuteranopia

36.0910, 0.3646, 0.3581



Tritanopia

36.3416, 0.2583, 0.3075

Trichromacy



Original Color

36.3956, 0.2888, 0.4096

Protanomaly

35.7818, 0.3308, 0.3957

Deuteranomaly

35.4125, 0.3335, 0.3759

Tritanomaly

36.4335, 0.2695, 0.3432

Monochromacy



Original Color

36.3956, 0.2888, 0.4096

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.1113, 0.3020, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3956, 0.2888, 0.4096 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(104, 178, 130)` looks like.

```
.text, #text, p{  
    color:rgb(104, 178, 130)  
}
```

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(104, 178, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 178, 130) }
```

Border

The CSS property to change the border of an element to Yxy 36.3956, 0.2888, 0.4096 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(104, 178, 130) }
```

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

```
.border{ border-color:rgb(104, 178, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 178, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 178, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 178, 130);  
box-shadow:4px 4px 4px 4px rgb(104, 178,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3956, 0.2888, 0.4096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 178, 130) }
```

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

```
.background{ background-color: rgb(104,  
178, 130) }
```

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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