

Converting Colors

$Yxy(36.9054, 0.2782, 0.4004)$

Have a look what the booklet for
Yxy(36.9054, 0.2782, 0.4004)
contains.

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Color

Yxy(36.9355, 0.2788, 0.4013)

Conversions

Conversions Part 1

Format	Color
Hex	60B489
RGB	96, 180, 137
RGB Percent	38%, 71%, 54%
CMY	0.6235, 0.2941, 0.4627
CMYK	0.47, 0.00, 0.24, 0.29
HSL	149°, 36%, 54%
HSV	149°, 47%, 71%
XYZ	25.6606, 36.9355, 29.4435
YIQ	149.9820, -36.2610, -31.1810

Conversions

Conversions Part 2

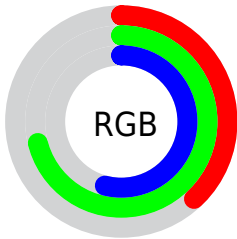
Format	Color
RYB	96, 152, 180
Decimal	6337673
CIELab	67.23, -35.59, 14.17
CIELCh	67, 38.303, 158.295
Yxy	36.9355, 0.2788, 0.4013
Android (android.graphics.Color)	4284527753 (0xFF60B489)
YUV	149.9820, -6.4001, -47.3422
Hunter-Lab	60.7746, -30.9881, 13.8180

Details

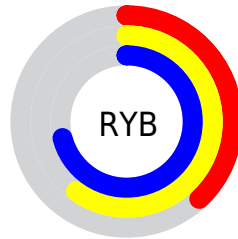
The Yxy color **36.9355, 0.2788, 0.4013** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **19.9344, 0.3718, 0.2679**, and the grayscale version is **30.5314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2879, 0.2862, 0.3865**, and **16.3180, 0.2671, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **35.8166, 0.2740, 0.4204**, and if you desaturate by 10%, it is **38.3036, 0.2848, 0.3832**.

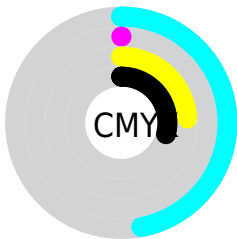
Distribution



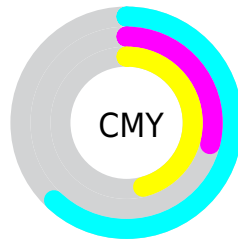
- Red (38%)
- Green (71%)
- Blue (54%)



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



- Cyan (47%)
- Magenta (0%)
- Yellow (24%)
- Black (29%)





- Cyan (62%)
- Magenta (29%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9355, 0.2788, 0.4013 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 36.9355, 0.2788, 0.4013 by changing the saturation by 10% instead.


 36.9355, 0.2788,
0.4013


 36.9355, 0.2788,
0.4013


333.0312, 0.2972,
0.3620


 25.1576, 0.2737,
0.4122


 70.4736, 0.2859,
0.3862

 16.1945, 0.2667,
0.4270


 93.0025, 0.2884,
0.3808

 9.6619, 0.2569,
0.4481


 119.8839, 0.2905,
0.3763

 5.1754, 0.2417,
0.4804

 151.5021, 0.2923,
0.3726

 2.3505, 0.2160,
0.5354

188.2415, 0.2938,
0.3694

 0.8003, 0.0000,
1.0000

230.4866, 0.2951,

 0.0000, 0.0000,

0.3666

0.0000

278.6217, 0.2962,
0.3642

■ 36.9355, 0.2788,
0.4013

■ 36.9355, 0.2788,
0.4013

■ 35.8166, 0.2740,
0.4204

■ 38.3036, 0.2848,
0.3832

■ 34.9262, 0.2708,
0.4402

■ 39.9308, 0.2918,
0.3665

■ 34.2479, 0.2695,
0.4602


■ 41.8321, 0.2994,
0.3512

■ 33.7609, 0.2701,
0.4797


■ 44.0198, 0.3073,
0.3374


■ 33.4366, 0.2725,
0.4984

■ 46.5057, 0.3154,
0.3250

 33.3460, 0.2735,
0.5044

 49.3007, 0.3235,
0.3141

 52.4153, 0.3314,
0.3045

 55.8594, 0.3391,
0.2960

 59.0677, 0.3439,
0.2883

Harmonies

Analogous

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



36.9355, 0.3348, 0.4325



36.9355, 0.2788, 0.4013



36.9355, 0.2345, 0.3449

Triad

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



36.9355, 0.2788, 0.4013



36.9355, 0.2372, 0.2384



36.9355, 0.4256, 0.3517

Complementary

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



36.9355, 0.2788, 0.4013



19.9344, 0.3718, 0.2679

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.



36.9355, 0.3950, 0.3075



36.9355, 0.2788, 0.4013



36.9355, 0.2824, 0.2452

Square

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



36.9355, 0.2788, 0.4013



36.9355, 0.2128, 0.2526



36.9355, 0.3406, 0.2698



36.9355, 0.4219, 0.3952

Rectangle

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



36.9355, 0.2788, 0.4013



36.9355, 0.2166, 0.3064



36.9355, 0.3406, 0.2698



36.9355, 0.4190, 0.3367

Sweetspot

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



36.9370, 0.2788, 0.4013



76.7612, 0.3013, 0.3477



39.0122, 0.3420, 0.4578



16.4172, 0.2996, 0.3508



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.



36.9370, 0.2788, 0.4013



64.8874, 0.2739, 0.4210



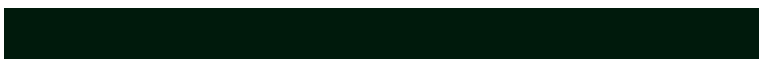
38.3695, 0.2523, 0.3310



9.5569, 0.3052, 0.3409



23.2860, 0.2729, 0.5023



0.7445, 0.2583, 0.4497

Inverse Universe

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



19.9344, 0.3718, 0.2679



30.2598, 0.3916, 0.2559



18.9408, 0.4352, 0.3274



8.5755, 0.3210, 0.3174



7.3271, 0.4879, 0.2461



0.2423, 0.4295, 0.2140

Previews

White Background



This preview shows how the Yxy color 36.9355, 0.2788, 0.4013 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 36.9355, 0.2788, 0.4013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

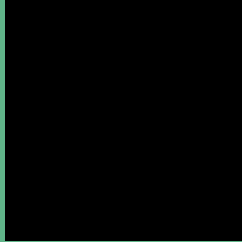
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9355, 0.2788, 0.4013

Background



This preview shows how black text looks on a background with the Yxy color 36.9355, 0.2788, 0.4013.



This preview shows how white text looks on a background with the Yxy color 36.9355, 0.2788, 0.4013.

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

36.9355, 0.2788, 0.4013

Protanopia

36.3099, 0.3539, 0.3766

Deuteranopia

36.5060, 0.3563, 0.3498



Tritanopia

36.7262, 0.2530, 0.3074

Trichromacy



Original Color

36.9355, 0.2788, 0.4013



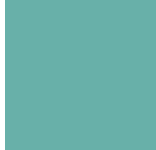
Protanomaly

36.0616, 0.3219, 0.3865



Deuteranomaly

35.5760, 0.3232, 0.3670



Tritanomaly

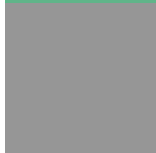
36.8583, 0.2619, 0.3400

Monochromacy



Original Color

36.9355, 0.2788, 0.4013



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

32.2799, 0.2976, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9355, 0.2788, 0.4013 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(96, 180, 137)` looks like.

```
.text, #text, p{  
    color:rgb(96, 180, 137)  
}
```

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(96, 180, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 180, 137) }
```

Border

The CSS property to change the border of an element to Yxy 36.9355, 0.2788, 0.4013 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(96, 180, 137) }
```

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

```
.border{ border-color:rgb(96, 180, 137) }
```

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

Here you see how a box with a 4 pixel rgb(96, 180, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 180, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 180, 137);  
box-shadow:4px 4px 4px 4px rgb(96, 180,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9355, 0.2788, 0.4013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 180, 137) }
```

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

```
.background{ background-color: rgb(96, 180,  
137) }
```

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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