

Converting Colors

$Yxy(35.9990, 0.2887, 0.4082)$

Have a look what the booklet for
Yxy(35.9990, 0.2887, 0.4082)
contains.

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Color

Yxy(35.9990, 0.2887, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	68B182
RGB	104, 177, 130
RGB Percent	41%, 69%, 51%
CMY	0.5922, 0.3059, 0.4901
CMYK	0.41, 0.00, 0.27, 0.31
HSL	141°, 32%, 55%
HSV	141°, 41%, 69%
XYZ	25.4603, 35.9990, 26.7303
YIQ	149.8150, -28.4210, -30.0930

Conversions

Conversions Part 2

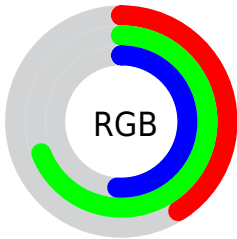
Format	Color
RYB	104, 158, 177
Decimal	6861186
CIELab	66.52, -33.37, 17.04
CIELCh	67, 37.473, 152.946
Yxy	35.9990, 0.2887, 0.4082
Android (android.graphics.Color)	4285051266 (0xFF68B182)
YUV	149.8150, -9.7688, -40.1798
Hunter-Lab	59.9992, -29.2530, 15.5851

Details

The Yxy color **35.9990, 0.2887, 0.4082** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.4807, 0.3494, 0.2618**, and the grayscale version is **30.4683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9658, 0.2940, 0.3916**, and **15.6983, 0.2798, 0.4384** is the 20% darker color. If you saturate the color by 10%, you get **34.7610, 0.2844, 0.4319**, and if you desaturate by 10%, it is **37.4962, 0.2939, 0.3860**.

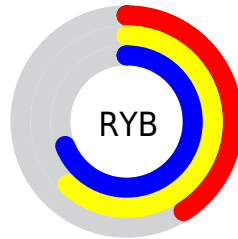
Distribution



Red (41%)

Green (69%)

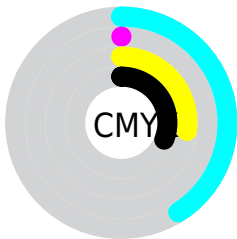
Blue (51%)



Red (41%)

Yellow (62%)

Blue (69%)

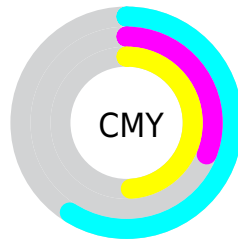


Cyan (41%)

Magenta (0%)

Yellow (27%)

Black (31%)



Cyan (59%)


Magenta (31%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9990, 0.2887, 0.4082 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 35.9990, 0.2887, 0.4082 by changing the saturation by 10% instead.


 35.9990, 0.2887,
0.4082


 35.9990, 0.2887,
0.4082


328.9562, 0.3022,
0.3649

 24.4334, 0.2847,
0.4204


 69.0305, 0.2940,
0.3915

 15.6554, 0.2793,
0.4369


 91.2653, 0.2959,
0.3855

 9.2807, 0.2713,
0.4605


 117.8252, 0.2974,
0.3806

 4.9247, 0.2584,
0.4969

 149.0947, 0.2987,
0.3765

 2.2031, 0.2357,
0.5607

185.4581, 0.2998,
0.3729

 0.7217, 0.0000,
1.0000


227.2999, 0.3007,


 0.0000, 0.0000,


0.3699


0.0000


275.0045, 0.3015,
0.3672


 35.9990, 0.2887,
0.4082


 35.9990, 0.2887,
0.4082


 34.7610, 0.2844,
0.4319


 37.4962, 0.2939,
0.3860


 33.7625, 0.2814,
0.4564


 39.2619, 0.2996,
0.3657


 32.9883, 0.2799,
0.4812


 41.3106, 0.3057,
0.3473


 32.4193, 0.2800,
0.5051

 43.6541, 0.3119,
0.3309


 32.0332, 0.2820,
0.5272

 46.3037, 0.3181,
0.3164

 31.8055, 0.2846,
0.5446

 49.2703, 0.3241,
0.3037

 52.5638, 0.3299,
0.2925

 56.1941, 0.3355,
0.2828

 58.5627, 0.3339,
0.2731

Harmonies

Analogous

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



35.9990, 0.3446, 0.4327



35.9990, 0.2887, 0.4082



35.9990, 0.2419, 0.3553

Triad

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



35.9990, 0.2887, 0.4082



35.9990, 0.2322, 0.2404



35.9990, 0.4211, 0.3436

Complementary

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



35.9990, 0.2887, 0.4082



21.4807, 0.3494, 0.2618

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.



35.9990, 0.3855, 0.3004



35.9990, 0.2887, 0.4082



35.9990, 0.2736, 0.2436

Square

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



35.9990, 0.2887, 0.4082



35.9990, 0.2120, 0.2585



35.9990, 0.3297, 0.2651



35.9990, 0.4236, 0.3873

Rectangle

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



35.9990, 0.2887, 0.4082



35.9990, 0.2215, 0.3165



35.9990, 0.3297, 0.2651



35.9990, 0.4126, 0.3288

Sweetspot

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



36.0005, 0.2887, 0.4082



73.6088, 0.3051, 0.3490



39.0675, 0.3486, 0.4383



15.8473, 0.3044, 0.3512



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.



36.0005, 0.2887, 0.4082



62.5393, 0.2850, 0.4284



37.1435, 0.2641, 0.3464



9.5385, 0.3069, 0.3440



23.0538, 0.2840, 0.5425



0.7367, 0.2674, 0.4826

Inverse Universe

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



21.4807, 0.3494, 0.2618



33.1659, 0.3601, 0.2485



20.4835, 0.4000, 0.3130



8.5943, 0.3190, 0.3144



7.6631, 0.4344, 0.2167



0.2517, 0.3954, 0.1952

Previews

White Background



This preview shows how the Yxy color 35.9990, 0.2887, 0.4082 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 35.9990, 0.2887, 0.4082 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 35.9990, 0.2887, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 35.9990, 0.2887, 0.4082.



This preview shows how white text looks on a background with the Yxy color 35.9990, 0.2887, 0.4082.

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

35.9990, 0.2887, 0.4082

Protanopia

35.6655, 0.3598, 0.3857

Deuteranopia

35.6311, 0.3640, 0.3568



Tritanopia

35.9231, 0.2587, 0.3075

Trichromacy



Original Color

35.9990, 0.2887, 0.4082

Protanomaly

35.3211, 0.3301, 0.3945

Deuteranomaly

34.9558, 0.3327, 0.3747

Tritanomaly

36.0122, 0.2700, 0.3432

Monochromacy



Original Color

35.9990, 0.2887, 0.4082

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 35.9990, 0.2887, 0.4082 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, 177, 130)` looks like.

```
.text, #text, p{  
    color:rgb(104, 177, 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, 177, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 177, 130) }
```

Border

The CSS property to change the border of an element to Yxy 35.9990, 0.2887, 0.4082 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, 177, 130) }
```

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

```
.border{ border-color:rgb(104, 177, 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, 177, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 177, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 177, 130);  
box-shadow:4px 4px 4px 4px rgb(104, 177,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9990, 0.2887, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 177, 130) }
```

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

```
.background{ background-color: rgb(104,  
177, 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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