

Converting Colors

Yxy(37.0431, 0.2998, 0.4164)

Have a look what the booklet for
Yxy(37.0431, 0.2998, 0.4164)
contains.

| | |
|---|----|
| Yxy(36.8989, 0.2998, 0.4165) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(36.8989, 0.2998, 0.4165)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 72B27D |
| RGB | 114, 178, 125 |
| RGB Percent | 45%, 70%, 49% |
| CMY | 0.5531, 0.3019, 0.5097 |
| CMYK | 0.36, 0.00, 0.30, 0.30 |
| HSL | 130°, 29%, 57% |
| HSV | 130°, 36%, 70% |
| XYZ | 26.5601, 36.8989, 25.1338 |
| YIQ | 152.8220, -21.1310, -30.0510 |

Conversions

Conversions Part 2

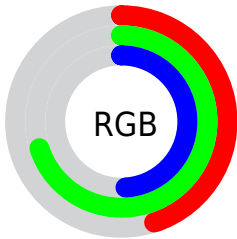
| Format | Color |
|-------------------------------------|--|
| RYB | 114, 169, 178 |
| Decimal | 7516797 |
| CIELab | 67.20, -31.74, 20.76 |
| CIELCh | 67, 37.925, 146.805 |
| Yxy | 36.8989, 0.2998, 0.4165 |
| Android (android.graphics.Color) | 4285706877 (0xFF72B27D) |
| YUV | 152.8220, -13.7162, -34.0469 |
| Hunter-Lab | 60.7445, -28.2549, 17.9892 |

Details

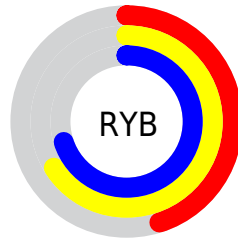
The Yxy color $36.8989, 0.2998, 0.4165$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $24.2822, 0.3293, 0.2551$, and the grayscale version is $31.8404, 0.3127, 0.3290$.

A 20% lighter version of the original color is $70.3848, 0.3031, 0.3979$, and $16.2132, 0.2931, 0.4473$ is the 20% darker color. If you saturate the color by 10%, you get $35.4720, 0.2968, 0.4461$, and if you desaturate by 10%, it is $38.6170, 0.3032, 0.3888$.

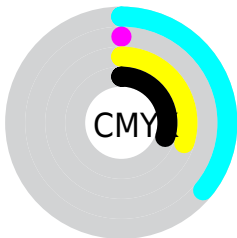
Distribution



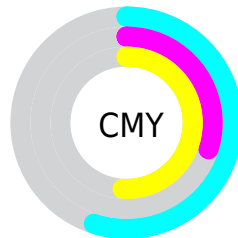
- Red (45%)
- Green (70%)
- Blue (49%)



- Red (45%)
- Yellow (66%)
- Blue (70%)



- Cyan (36%)
- Magenta (0%)
- Yellow (30%)
- Black (30%)





- Cyan (55%)
- Magenta (30%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8989, 0.2998, 0.4165 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 36.8989, 0.2998, 0.4165 by changing the saturation by 10% instead.


 36.8989, 0.2998,
0.4165


 36.8989, 0.2998,
0.4165


332.8726, 0.3077,
0.3688

 25.1292, 0.2972,
0.4298


 70.4173, 0.3031,
0.3982

 16.1734, 0.2935,
0.4478


 92.9347, 0.3042,
0.3916

 9.6469, 0.2878,
0.4735


 119.8036, 0.3051,
0.3861

 5.1655, 0.2781,
0.5125

151.4083, 0.3058,
0.3816

 2.3447, 0.2615,
0.5837

188.1331, 0.3064,
0.3777

 0.7972, 0.0000,
1.0000

230.3625, 0.3069,

 0.0000, 0.0000,

0.3743

0.0000

278.4809, 0.3073,
0.3714

■ 36.8989, 0.2998,
0.4165

■ 36.8989, 0.2998,
0.4165

■ 35.4720, 0.2968,
0.4461

■ 38.6170, 0.3032,
0.3888

■ 34.3156, 0.2944,
0.4768

■ 40.6363, 0.3069,
0.3636

■ 33.4138, 0.2929,
0.5070


■ 42.9722, 0.3106,
0.3411

■ 32.7469, 0.2924,
0.5351


■ 45.6375, 0.3141,
0.3213

■ 32.2923, 0.2932,
0.5593


■ 48.6444, 0.3176,
0.3040


 32.0213, 0.2949,
0.5780

 52.0044, 0.3208,
0.2890

 31.9411, 0.2955,
0.5839

 55.7285, 0.3239,
0.2760

 59.5651, 0.3256,
0.2645

 60.3235, 0.3163,
0.2536

Harmonies

Analogous

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



36.8989, 0.3559, 0.4336



36.8989, 0.2998, 0.4165



36.8989, 0.2499, 0.3674

Triad

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



36.8989, 0.2998, 0.4165



36.8989, 0.2260, 0.2420



36.8989, 0.4167, 0.3345

Complementary

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



36.8989, 0.2998, 0.4165



24.2822, 0.3293, 0.2551

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.



36.8989, 0.3753, 0.2922



36.8989, 0.2998, 0.4165



36.8989, 0.2635, 0.2410

Square

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



36.8989, 0.2998, 0.4165



36.8989, 0.2104, 0.2647



36.8989, 0.3176, 0.2591



36.8989, 0.4263, 0.3789

Rectangle

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



36.8989, 0.2998, 0.4165



36.8989, 0.2264, 0.3281



36.8989, 0.3176, 0.2591



36.8989, 0.4059, 0.3198

Sweetspot

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



36.9004, 0.2998, 0.4165



75.6381, 0.3086, 0.3525



41.3097, 0.3556, 0.4202



16.6338, 0.3082, 0.3556



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.



36.9004, 0.2998, 0.4165



64.8545, 0.2974, 0.4394



37.8418, 0.2773, 0.3629



9.5133, 0.3093, 0.3484



22.8589, 0.2951, 0.5825



0.7265, 0.2822, 0.5359

Inverse Universe

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



24.2822, 0.3293, 0.2551



38.6366, 0.3338, 0.2396



23.2522, 0.3687, 0.2980



8.6210, 0.3163, 0.3104



8.2937, 0.3693, 0.1808



0.2676, 0.3537, 0.1722

Previews

White Background



This preview shows how the Yxy color 36.8989, 0.2998, 0.4165 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 36.8989, 0.2998, 0.4165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

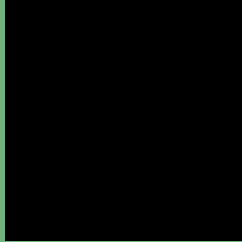
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8989, 0.2998, 0.4165

Background



This preview shows how black text looks on a background with the Yxy color 36.8989, 0.2998, 0.4165.



This preview shows how white text looks on a background with the Yxy color 36.8989, 0.2998, 0.4165.

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

36.8989, 0.2998, 0.4165

Protanopia

36.6164, 0.3658, 0.3934

Deuteranopia

36.3358, 0.3728, 0.3646



Tritanopia

36.6458, 0.2657, 0.3079

Trichromacy



Original Color

36.8989, 0.2998, 0.4165

Protanomaly

36.1580, 0.3391, 0.4008

Deuteranomaly

35.7908, 0.3430, 0.3828

Tritanomaly

36.6691, 0.2780, 0.3446

Monochromacy



Original Color

36.8989, 0.2998, 0.4165

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.3128, 0.3075, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8989, 0.2998, 0.4165 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(114, 178, 125)` looks like.

```
.text, #text, p{  
    color:rgb(114, 178, 125)  
}
```

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(114, 178, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 178, 125) }
```

Border

The CSS property to change the border of an element to Yxy 36.8989, 0.2998, 0.4165 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(114, 178, 125) }
```

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

```
.border{ border-color:rgb(114, 178, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 178, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 178, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 178, 125); box-shadow:4px 4px 4px 4px rgb(114, 178, 125) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8989, 0.2998, 0.4165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 178, 125) }
```

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

```
.background{ background-color: rgb(114,  
178, 125) }
```

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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