

Converting Colors

Yxy(36.2948, 0.3002, 0.4010)

Have a look what the booklet for
Yxy(36.2948, 0.3002, 0.4010)
contains.

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Color

Yxy(36.2917, 0.3002, 0.4010)

Conversions

Conversions Part 1

Format	Color
Hex	78AF83
RGB	120, 175, 131
RGB Percent	47%, 69%, 51%
CMY	0.5295, 0.3137, 0.4863
CMYK	0.31, 0.00, 0.25, 0.31
HSL	132°, 26%, 58%
HSV	132°, 31%, 69%
XYZ	27.1690, 36.2917, 27.0423
YIQ	153.5390, -18.6560, -25.3440

Conversions

Conversions Part 2

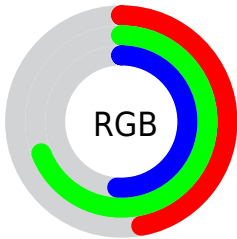
Format	Color
RYB	120, 166, 175
Decimal	7909251
CIELab	66.74, -27.28, 16.94
CIELCh	67, 32.112, 148.156
Yxy	36.2917, 0.3002, 0.4010
Android (android.graphics.Color)	4286099331 (0xFF78AF83)
YUV	153.5390, -11.1117, -29.4137
Hunter-Lab	60.2426, -24.9223, 15.5551

Details

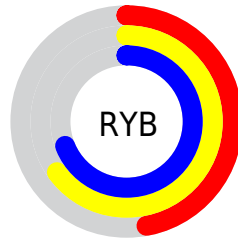
The Yxy color **36.2917, 0.3002, 0.4010** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.2215, 0.3285, 0.2664**, and the grayscale version is **32.1560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6112, 0.3035, 0.3863**, and **15.7784, 0.2951, 0.4272** is the 20% darker color. If you saturate the color by 10%, you get **34.8003, 0.2967, 0.4288**, and if you desaturate by 10%, it is **38.0661, 0.3041, 0.3754**.

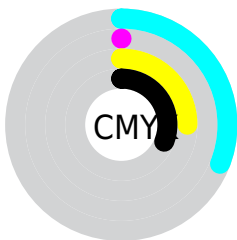
Distribution



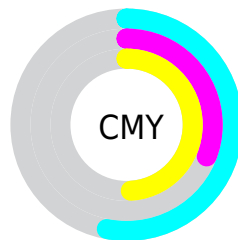
- Red (47%)
- Green (69%)
- Blue (51%)



- Red (47%)
- Yellow (65%)
- Blue (69%)



- Cyan (31%)
- Magenta (0%)
- Yellow (25%)
- Black (31%)





- Cyan (53%)
- Magenta (31%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2917, 0.3002, 0.4010 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 36.2917, 0.3002, 0.4010 by changing the saturation by 10% instead.


 36.2917, 0.3002,
0.4010


 36.2917, 0.3002,
0.4010


330.2337, 0.3075,
0.3619


 24.6596, 0.2979,
0.4119


 69.4821, 0.3032,
0.3860

 15.8236, 0.2947,
0.4266


 91.8091, 0.3042,
0.3806

 9.3994, 0.2899,
0.4476


 118.4698, 0.3050,
0.3761

 5.0026, 0.2819,
0.4796

149.8487, 0.3057,
0.3724

 2.2488, 0.2669,
0.5349

186.3302, 0.3063,
0.3692

 0.7464, 0.0551,
0.9449

228.2986, 0.3068,

 0.0000, 0.0000,

0.3664

0.0000

276.1383, 0.3072,
0.3640

■ 36.2917, 0.3002,
0.4010

■ 36.2917, 0.3002,
0.4010

■ 34.8003, 0.2967,
0.4288

■ 38.0661, 0.3041,
0.3754

■ 33.5728, 0.2937,
0.4582

■ 40.1324, 0.3081,
0.3523

■ 32.5949, 0.2917,
0.4880


■ 42.5047, 0.3121,
0.3318

■ 31.8490, 0.2907,
0.5168

■ 45.1948, 0.3161,
0.3137

■ 31.3152, 0.2910,
0.5430

■ 48.2139, 0.3198,
0.2980

 30.9702, 0.2925,
0.5648

 51.5727, 0.3233,
0.2844

 30.7852, 0.2943,
0.5794

 55.2814, 0.3267,
0.2726

 58.3928, 0.3257,
0.2614

 59.1436, 0.3164,
0.2508

Harmonies

Analogous

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



36.2917, 0.3484, 0.4175



36.2917, 0.3002, 0.4010



36.2917, 0.2575, 0.3595

Triad

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



36.2917, 0.3002, 0.4010



36.2917, 0.2389, 0.2536



36.2917, 0.4021, 0.3364

Complementary

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



36.2917, 0.3002, 0.4010



25.2215, 0.3285, 0.2664

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.



36.2917, 0.3681, 0.2991



36.2917, 0.3002, 0.4010



36.2917, 0.2725, 0.2531

Square

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



36.2917, 0.3002, 0.4010



36.2917, 0.2243, 0.2731



36.2917, 0.3196, 0.2695



36.2917, 0.4094, 0.3747

Rectangle

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



36.2917, 0.3002, 0.4010



36.2917, 0.2374, 0.3267



36.2917, 0.3196, 0.2695



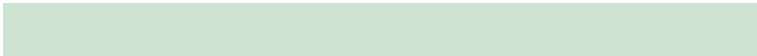
36.2917, 0.3933, 0.3235

Sweetspot

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



36.2932, 0.3002, 0.4010



72.7916, 0.3090, 0.3473



39.9118, 0.3486, 0.4089



16.0496, 0.3085, 0.3504



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.



36.2932, 0.3002, 0.4010



63.0158, 0.2976, 0.4209



37.1406, 0.2799, 0.3550



8.9646, 0.3090, 0.3476



22.0510, 0.2938, 0.5778



0.6209, 0.2788, 0.5236

Inverse Universe

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



25.2215, 0.3285, 0.2664



39.9242, 0.3330, 0.2521



24.3328, 0.3616, 0.3047



8.1202, 0.3167, 0.3110



7.8909, 0.3780, 0.1856



0.2264, 0.3578, 0.1745

Previews

White Background



This preview shows how the Yxy color 36.2917, 0.3002, 0.4010 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 36.2917, 0.3002, 0.4010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

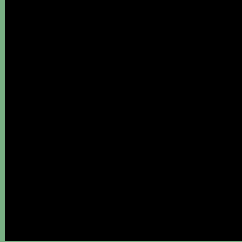
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2917, 0.3002, 0.4010

Background



This preview shows how black text looks on a background with the Yxy color 36.2917, 0.3002, 0.4010.



This preview shows how white text looks on a background with the Yxy color 36.2917, 0.3002, 0.4010.

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

36.2917, 0.3002, 0.4010

Protanopia

35.8546, 0.3580, 0.3811

Deuteranopia

36.0910, 0.3646, 0.3581



Tritanopia

36.1285, 0.2697, 0.3079

Trichromacy



Original Color

36.2917, 0.3002, 0.4010

Protanomaly

35.6748, 0.3354, 0.3886

Deuteranomaly

35.7021, 0.3388, 0.3721

Tritanomaly

36.2058, 0.2808, 0.3414

Monochromacy



Original Color

36.2917, 0.3002, 0.4010

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.6668, 0.3078, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2917, 0.3002, 0.4010 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(120, 175, 131)` looks like.

```
.text, #text, p{  
    color:rgb(120, 175, 131)  
}
```

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(120, 175, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 175, 131) }
```

Border

The CSS property to change the border of an element to Yxy 36.2917, 0.3002, 0.4010 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(120, 175, 131) }
```

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

```
.border{ border-color:rgb(120, 175, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 175, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 175, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 175, 131);  
box-shadow:4px 4px 4px 4px rgb(120, 175,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2917, 0.3002, 0.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 175, 131) }
```

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

```
.background{ background-color: rgb(120,  
175, 131) }
```

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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