

Converting Colors

$Yxy(35.9410, 0.2973, 0.4122)$

Have a look what the booklet for
Yxy(35.9410, 0.2973, 0.4122)
contains.

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Color

Yxy(36.0018, 0.2975, 0.4124)

Conversions

Conversions Part 1

Format	Color
Hex	70B07E
RGB	112, 176, 126
RGB Percent	44%, 69%, 49%
CMY	0.5609, 0.3098, 0.5058
CMYK	0.36, 0.00, 0.28, 0.31
HSL	133°, 29%, 56%
HSV	133°, 36%, 69%
XYZ	25.9712, 36.0018, 25.3252
YIQ	151.1640, -22.0940, -29.1180

Conversions

Conversions Part 2

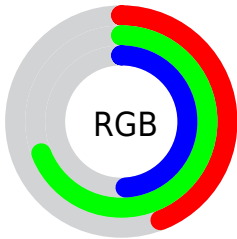
Format	Color
RYB	112, 165, 176
Decimal	7385214
CIELab	66.52, -31.24, 19.28
CIElCh	67, 36.711, 148.317
Yxy	36.0018, 0.2975, 0.4124
Android (android.graphics.Color)	4285575294 (0xFF70B07E)
YUV	151.1640, -12.4059, -34.3468
Hunter-Lab	60.0015, -27.7401, 16.9761

Details

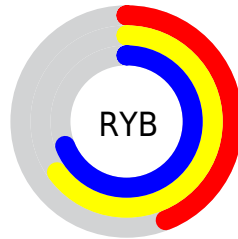
The Yxy color **36.0018, 0.2975, 0.4124** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.4195, 0.3330, 0.2581**, and the grayscale version is **31.0809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0749, 0.3013, 0.3947**, and **15.6624, 0.2902, 0.4418** is the 20% darker color. If you saturate the color by 10%, you get **34.6290, 0.2941, 0.4404**, and if you desaturate by 10%, it is **37.6519, 0.3014, 0.3863**.

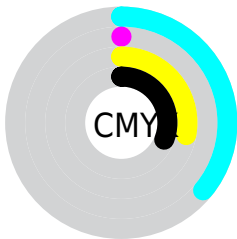
Distribution



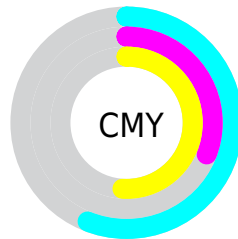
- Red (44%)
- Green (69%)
- Blue (49%)



- Red (44%)
- Yellow (65%)
- Blue (69%)



- Cyan (36%)
- Magenta (0%)
- Yellow (28%)
- Black (31%)



- Cyan (56%)
- Magenta (31%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0018, 0.2975, 0.4124 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 36.0018, 0.2975, 0.4124 by changing the saturation by 10% instead.


 36.0018, 0.2975,
0.4124


 36.0018, 0.2975,
0.4124


328.9684, 0.3065,
0.3668


 24.4356, 0.2947,
0.4252


 69.0348, 0.3012,
0.3948


 15.6571, 0.2907,
0.4426


 91.2705, 0.3024,
0.3885

 9.2818, 0.2845,
0.4674


 117.8313, 0.3034,
0.3833

 4.9254, 0.2742,
0.5054

 149.1019, 0.3043,
0.3790

 2.2036, 0.2567,
0.5753

185.4664, 0.3050,
0.3753

 0.7219, 0.0000,
1.0000

227.3095, 0.3056,

 0.0000, 0.0000,

0.3721

0.0000

275.0153, 0.3061,
0.3693

■ 36.0018, 0.2975,
0.4124

■ 36.0018, 0.2975,
0.4124

■ 34.6290, 0.2941,
0.4404

■ 37.6519, 0.3014,
0.3863

■ 33.5140, 0.2914,
0.4695

■ 39.5889, 0.3057,
0.3625

■ 32.6414, 0.2898,
0.4986


■ 41.8273, 0.3100,
0.3413


■ 31.9926, 0.2895,
0.5261


■ 44.3793, 0.3142,
0.3225

■ 31.5462, 0.2905,
0.5503


■ 47.2565, 0.3184,
0.3061


 31.2736, 0.2926,
0.5701

 50.4698, 0.3223,
0.2917

 31.1977, 0.2934,
0.5761

 54.0297, 0.3260,
0.2793

 57.9462, 0.3294,
0.2686

 59.1951, 0.3204,
0.2564

Harmonies

Analogous

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



36.0018, 0.3524, 0.4310



36.0018, 0.2975, 0.4124



36.0018, 0.2493, 0.3637

Triad

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



36.0018, 0.2975, 0.4124



36.0018, 0.2292, 0.2434



36.0018, 0.4155, 0.3367

Complementary

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



36.0018, 0.2975, 0.4124



23.4195, 0.3330, 0.2581

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.



36.0018, 0.3764, 0.2950



36.0018, 0.2975, 0.4124



36.0018, 0.2670, 0.2434

Square

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



36.0018, 0.2975, 0.4124



36.0018, 0.2128, 0.2646



36.0018, 0.3205, 0.2619



36.0018, 0.4232, 0.3801

Rectangle

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



36.0018, 0.2975, 0.4124



36.0018, 0.2270, 0.3254



36.0018, 0.3205, 0.2619



36.0018, 0.4055, 0.3223

Sweetspot

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



36.0033, 0.2975, 0.4124



73.8321, 0.3079, 0.3512



39.9182, 0.3530, 0.4221



15.8857, 0.3073, 0.3540



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.



36.0033, 0.2975, 0.4124



63.1693, 0.2946, 0.4358



36.9603, 0.2747, 0.3580



9.5196, 0.3087, 0.3473



22.8955, 0.2929, 0.5745



0.7291, 0.2781, 0.5211

Inverse Universe

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



23.4195, 0.3330, 0.2581



36.8365, 0.3391, 0.2423



22.4272, 0.3738, 0.3023



8.6142, 0.3170, 0.3114



8.1145, 0.3845, 0.1892



0.2633, 0.3636, 0.1777

Previews

White Background



This preview shows how the Yxy color 36.0018, 0.2975, 0.4124 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 36.0018, 0.2975, 0.4124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

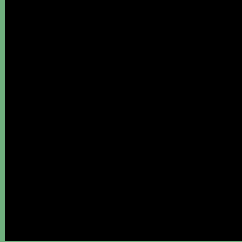
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0018, 0.2975, 0.4124

Background



This preview shows how black text looks on a background with the Yxy color 36.0018, 0.2975, 0.4124.



This preview shows how white text looks on a background with the Yxy color 36.0018, 0.2975, 0.4124.

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

36.0018, 0.2975, 0.4124

Protanopia

35.7059, 0.3636, 0.3898

Deuteranopia

35.6462, 0.3690, 0.3623



Tritanopia

35.9643, 0.2647, 0.3091

Trichromacy



Original Color

36.0018, 0.2975, 0.4124

Protanomaly

35.2569, 0.3368, 0.3970

Deuteranomaly

35.2529, 0.3403, 0.3802

Tritanomaly

36.0356, 0.2763, 0.3447

Monochromacy



Original Color

36.0018, 0.2975, 0.4124

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.4130, 0.3066, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0018, 0.2975, 0.4124 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(112, 176, 126)` looks like.

```
.text, #text, p{  
    color:rgb(112, 176, 126)  
}
```

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(112, 176, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 176, 126) }
```

Border

The CSS property to change the border of an element to Yxy 36.0018, 0.2975, 0.4124 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(112, 176, 126) }
```

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

```
.border{ border-color:rgb(112, 176, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 176, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 176, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 176, 126); box-shadow:4px 4px 4px 4px rgb(112, 176, 126) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0018, 0.2975, 0.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 176, 126) }
```

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

```
.background{ background-color: rgb(112,  
176, 126) }
```

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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