

Converting Colors

$Yxy(37.0916, 0.2785, 0.3746)$

Have a look what the booklet for
Yxy(37.0916, 0.2785, 0.3746)
contains.

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Color

Yxy(37.2619, 0.2791, 0.3761)

Conversions

Conversions Part 1

Format	Color
Hex	6DB295
RGB	109, 178, 149
RGB Percent	43%, 70%, 58%
CMY	0.5725, 0.3019, 0.4158
CMYK	0.39, 0.00, 0.16, 0.30
HSL	155°, 31%, 56%
HSV	155°, 39%, 70%
XYZ	27.6517, 37.2619, 34.1609
YIQ	154.0630, -31.8150, -23.6470

Conversions

Conversions Part 2

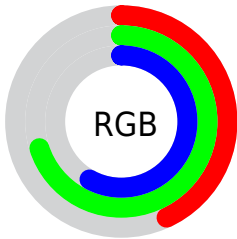
Format	Color
RYB	109, 153, 178
Decimal	7189141
CIELab	67.47, -28.49, 8.02
CIElCh	67, 29.597, 164.280
Yxy	37.2619, 0.2791, 0.3761
Android (android.graphics.Color)	4285379221 (0xFF6DB295)
YUV	154.0630, -2.4961, -39.5203
Hunter-Lab	61.0425, -25.9656, 9.5497

Details

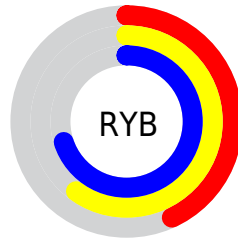
The Yxy color **37.2619, 0.2791, 0.3761** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **22.2413, 0.3667, 0.2869**, and the grayscale version is **32.3669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9440, 0.2858, 0.3666**, and **16.3898, 0.2679, 0.3931** is the 20% darker color. If you saturate the color by 10%, you get **36.0148, 0.2724, 0.3909**, and if you desaturate by 10%, it is **38.7560, 0.2869, 0.3623**.

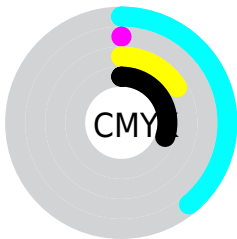
Distribution



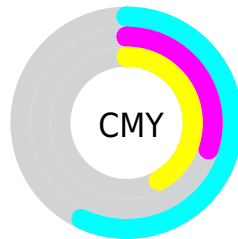
- Red (43%)
- Green (70%)
- Blue (58%)



- Red (43%)
- Yellow (60%)
- Blue (70%)



- Cyan (39%)
- Magenta (0%)
- Yellow (16%)
- Black (30%)





- Cyan (57%)
- Magenta (30%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2619, 0.2791, 0.3761 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 37.2619, 0.2791, 0.3761 by changing the saturation by 10% instead.


 37.2619, 0.2791,
0.3761


 37.2619, 0.2791,
0.3761


334.4430, 0.2969,
0.3509

 25.4103, 0.2743,
0.3830


 70.9754, 0.2858,
0.3665


 16.3830, 0.2680,
0.3922


 93.6061, 0.2882,
0.3631

 9.7956, 0.2592,
0.4051


 120.5987, 0.2903,
0.3602

 5.2636, 0.2461,
0.4246

 152.3375, 0.2920,
0.3578

 2.4028, 0.2247,
0.4574

189.2070, 0.2935,
0.3557

 0.8273, 0.0722,
0.6575

231.5914, 0.2948,

 0.0000, 0.0000,

0.3539

0.0000

279.8753, 0.2959,
0.3523

■ 37.2619, 0.2791,
0.3761

■ 37.2619, 0.2791,
0.3761

■ 36.0148, 0.2724,
0.3909

■ 38.7560, 0.2869,
0.3623

■ 34.9961, 0.2672,
0.4065

■ 40.5055, 0.2954,
0.3496

■ 34.1915, 0.2636,
0.4226


■ 42.5241, 0.3045,
0.3381


■ 33.5832, 0.2620,
0.4389


■ 44.8230, 0.3139,
0.3278


■ 33.1506, 0.2623,
0.4551


■ 47.4128, 0.3233,
0.3186


 32.8569, 0.2644,
0.4708

 50.3036, 0.3327,
0.3104

 32.8239, 0.2647,
0.4727

 53.5050, 0.3418,
0.3032

 57.0261, 0.3506,
0.2969

 58.0791, 0.3473,
0.2898

Harmonies

Analogous

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



37.2619, 0.3221, 0.4047



37.2619, 0.2791, 0.3761



37.2619, 0.2466, 0.3329

Triad

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



37.2619, 0.2791, 0.3761



37.2619, 0.2597, 0.2572



37.2619, 0.4012, 0.3556

Complementary

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



37.2619, 0.2791, 0.3761



22.2413, 0.3667, 0.2869

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.



37.2619, 0.3825, 0.3197



37.2619, 0.2791, 0.3761



37.2619, 0.2983, 0.2654

Square

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



37.2619, 0.2791, 0.3761



37.2619, 0.2362, 0.2659



37.2619, 0.3437, 0.2877



37.2619, 0.3940, 0.3880

Rectangle

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



37.2619, 0.2791, 0.3761



37.2619, 0.2345, 0.3047



37.2619, 0.3437, 0.2877



37.2619, 0.3978, 0.3436

Sweetspot

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



37.2634, 0.2791, 0.3761



75.7928, 0.3014, 0.3420



38.4275, 0.3328, 0.4363



16.6866, 0.3002, 0.3434



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.



37.2634, 0.2791, 0.3761



65.5039, 0.2730, 0.3894



36.5087, 0.2587, 0.3217



9.5699, 0.3040, 0.3387



23.4977, 0.2642, 0.4710



0.7507, 0.2519, 0.4268

Inverse Universe

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



22.2413, 0.3667, 0.2869



34.1862, 0.3855, 0.2773



22.5171, 0.4044, 0.3361



8.5626, 0.3223, 0.3195



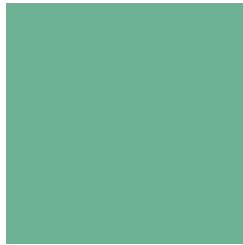
7.1466, 0.5259, 0.2671



0.2366, 0.4549, 0.2280

Previews

White Background



This preview shows how the Yxy color 37.2619, 0.2791, 0.3761 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 37.2619, 0.2791, 0.3761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

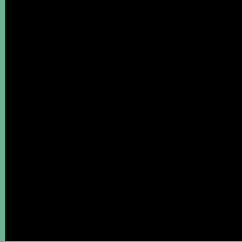
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2619, 0.2791, 0.3761

Background



This preview shows how black text looks on a background with the Yxy color 37.2619, 0.2791, 0.3761.



This preview shows how white text looks on a background with the Yxy color 37.2619, 0.2791, 0.3761.

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

37.2619, 0.2791, 0.3761

Protanopia

36.8881, 0.3414, 0.3606

Deuteranopia

36.8209, 0.3422, 0.3360



Tritanopia

37.3265, 0.2588, 0.3078

Trichromacy



Original Color

37.2619, 0.2791, 0.3761

Protanomaly

36.4084, 0.3156, 0.3656

Deuteranomaly

36.2452, 0.3156, 0.3483

Tritanomaly

37.3219, 0.2663, 0.3320

Monochromacy



Original Color

37.2619, 0.2791, 0.3761

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.8647, 0.2990, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2619, 0.2791, 0.3761 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(109, 178, 149)` looks like.

```
.text, #text, p{  
    color:rgb(109, 178, 149)  
}
```

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(109, 178, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 178, 149) }
```

Border

The CSS property to change the border of an element to Yxy 37.2619, 0.2791, 0.3761 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(109, 178, 149) }
```

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

```
.border{ border-color:rgb(109, 178, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 178, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 178, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 178, 149);  
box-shadow:4px 4px 4px 4px rgb(109, 178,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2619, 0.2791, 0.3761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 178, 149) }
```

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

```
.background{ background-color: rgb(109,  
178, 149) }
```

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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