

Converting Colors

$Y_{xy}(47.7044, 0.3620, 0.4310)$

Have a look what the booklet for
Yxy(47.7044, 0.3620, 0.4310)
contains.

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Color

Yxy(47.6255, 0.3618, 0.4303)

Conversions

Conversions Part 1

Format	Color
Hex	B3BE72
RGB	179, 190, 114
RGB Percent	70%, 75%, 45%
CMY	0.2980, 0.2549, 0.5528
CMYK	0.06, 0.00, 0.40, 0.25
HSL	69°, 37%, 60%
HSV	69°, 40%, 75%
XYZ	40.0439, 47.6255, 23.0103
YIQ	178.0470, 17.8400, -25.9680

Conversions

Conversions Part 2

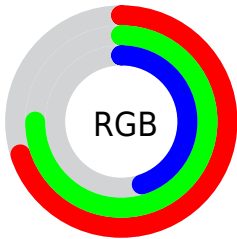
Format	Color
RYB	114, 190, 125
Decimal	11779698
CIELab	74.59, -15.63, 37.06
CIELCh	75, 40.220, 112.875
Yxy	47.6255, 0.3618, 0.4303
Android (android.graphics.Color)	4289969778 (0xFFB3BE72)
YUV	178.0470, -31.5752, 0.8358
Hunter-Lab	69.0112, -17.1946, 28.5389

Details

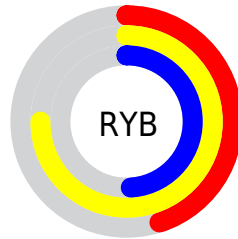
The Yxy color $47.6255, 0.3618, 0.4303$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $20.1211, 0.2496, 0.2113$, and the grayscale version is $44.7132, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.5344, 0.3542, 0.4113$, and $22.6215, 0.3725, 0.4598$ is the 20% darker color. If you saturate the color by 10%, you get $46.9145, 0.3724, 0.4545$, and if you desaturate by 10%, it is $48.4372, 0.3500, 0.4048$.

Distribution



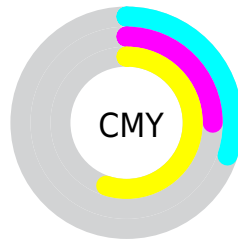
- Red (70%)
- Green (75%)
- Blue (45%)



- Red (45%)
- Yellow (75%)
- Blue (49%)



- Cyan (6%)
- Magenta (0%)
- Yellow (40%)
- Black (25%)





- Cyan (30%)
- Magenta (25%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6255, 0.3618, 0.4303 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 47.6255, 0.3618, 0.4303 by changing the saturation by 10% instead.


 47.6255, 0.3618,
0.4303


 47.6255, 0.3618,
0.4303


377.3058, 0.3389,
0.3790


 33.5304, 0.3668,
0.4430


 86.6465, 0.3540,
0.4116

 22.5331, 0.3726,
0.4592


 112.3413, 0.3509,
0.4046

 14.2491, 0.3793,
0.4802


 142.6714, 0.3482,
0.3987

 8.2941, 0.3865,
0.5083

178.0212, 0.3459,
0.3936

 4.2837, 0.3977,
0.5541

218.7752, 0.3438,
0.3892

 1.8335, 0.3943,
0.6057

265.3177, 0.3420,

 0.5079, 0.1660,

0.3853

0.8340

318.0331, 0.3404,
0.3820

0.0000, 0.0000,
0.0000

47.6255, 0.3618,
0.4303

47.6255, 0.3618,
0.4303

46.9145, 0.3724,
0.4545

48.4372, 0.3500,
0.4048

46.2921, 0.3814,
0.4763

49.3484, 0.3376,
0.3789

45.7542, 0.3882,
0.4948

50.3659, 0.3250,
0.3534


45.2936, 0.3925,
0.5092

51.4942, 0.3127,
0.3290

44.9020, 0.3943,
0.5191


52.7375, 0.3008,
0.3059


 44.5627, 0.3940,
0.5254

 54.0998, 0.2896,
0.2846

 44.5621, 0.3940,
0.5254

 55.5848, 0.2791,
0.2649

 56.4650, 0.2761,
0.2574

 56.8495, 0.2780,
0.2578

Harmonies

Analogous

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



47.6255, 0.4052, 0.4104



47.6255, 0.3618, 0.4303



47.6255, 0.3074, 0.4182

Triad

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



47.6255, 0.3618, 0.4303



47.6255, 0.2124, 0.2710



47.6255, 0.3669, 0.2882

Complementary

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



47.6255, 0.3618, 0.4303



20.1211, 0.2496, 0.2113

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.



47.6255, 0.3101, 0.2575



47.6255, 0.3618, 0.4303



47.6255, 0.2247, 0.2457

Square

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



47.6255, 0.3618, 0.4303



47.6255, 0.2234, 0.3170



47.6255, 0.2588, 0.2420



47.6255, 0.4102, 0.3288

Rectangle

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



47.6255, 0.3618, 0.4303



47.6255, 0.2725, 0.3912



47.6255, 0.2588, 0.2420



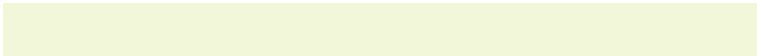
47.6255, 0.3484, 0.2766

Sweetspot

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



47.6276, 0.3618, 0.4303



90.8449, 0.3278, 0.3590



26.6184, 0.4063, 0.3433



19.8940, 0.3295, 0.3623



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.6276, 0.3618, 0.4303



85.1621, 0.3712, 0.4517



43.7836, 0.3291, 0.4421



11.0487, 0.3243, 0.3518



29.6574, 0.3943, 0.5251



1.1811, 0.4007, 0.5200

Inverse Universe

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



20.1211, 0.2496, 0.2113



28.4309, 0.2326, 0.1814



23.4560, 0.2871, 0.2226



9.2898, 0.3006, 0.3054



2.6528, 0.1564, 0.0635



0.1254, 0.1750, 0.0738

Previews

White Background



This preview shows how the Yxy color 47.6255, 0.3618, 0.4303 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 47.6255, 0.3618, 0.4303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

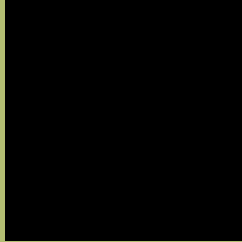
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6255, 0.3618, 0.4303

Background



This preview shows how black text looks on a background with the Yxy color 47.6255, 0.3618, 0.4303.



This preview shows how white text looks on a background with the Yxy color 47.6255, 0.3618, 0.4303.

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

47.6255, 0.3618, 0.4303

Protanopia

47.3162, 0.3860, 0.4182

Deuteranopia

47.3165, 0.4061, 0.3973



Tritanopia

47.4015, 0.3085, 0.3101

Trichromacy



Original Color

47.6255, 0.3618, 0.4303

Protanomaly

47.5165, 0.3763, 0.4229

Deuteranomaly

47.0253, 0.3900, 0.4083

Tritanomaly

47.3484, 0.3279, 0.3526

Monochromacy



Original Color

47.6255, 0.3618, 0.4303

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.2874, 0.3310, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6255, 0.3618, 0.4303 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(179, 190, 114)` looks like.

```
.text, #text, p{  
    color:rgb(179, 190, 114)  
}
```

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(179, 190, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 190, 114) }
```

Border

The CSS property to change the border of an element to Yxy 47.6255, 0.3618, 0.4303 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(179, 190, 114) }
```

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

```
.border{ border-color:rgb(179, 190, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 190, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 190, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 190, 114);  
box-shadow:4px 4px 4px 4px rgb(179, 190,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6255, 0.3618, 0.4303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 190, 114) }
```

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

```
.background{ background-color: rgb(179,  
190, 114) }
```

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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