

Converting Colors

Yxy(41.4448, 0.3125, 0.4822)

Have a look what the booklet for
Yxy(41.4448, 0.3125, 0.4822)
contains.

| | |
|---|----|
| Yxy(41.6080, 0.3121, 0.4827) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(41.6080, 0.3121, 0.4827)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6AC060 |
| RGB | 106, 192, 96 |
| RGB Percent | 42%, 75%, 38% |
| CMY | 0.5845, 0.2470, 0.6234 |
| CMYK | 0.45, 0.00, 0.50, 0.25 |
| HSL | 114°, 43%, 56% |
| HSV | 114°, 50%, 75% |
| XYZ | 26.9025, 41.6080, 17.6879 |
| YIQ | 155.3420, -20.4400, -48.0880 |

Conversions

Conversions Part 2

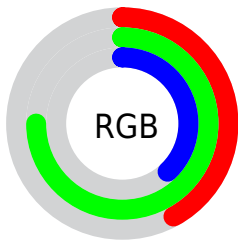
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 96, 192, 182 |
| Decimal | 6996064 |
| CIELab | 70.60, -44.99, 40.18 |
| CIELCh | 71, 60.320, 138.229 |
| Yxy | 41.6080, 0.3121, 0.4827 |
| Android (android.graphics.Color) | 4285186144 (0xFF6AC060) |
| YUV | 155.3420, -29.2556, -43.2729 |
| Hunter-Lab | 64.5043, -38.4362, 28.8949 |

Details

The Yxy color **41.6080, 0.3121, 0.4827** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **22.1341, 0.3069, 0.2058**, and the grayscale version is **33.0750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5709, 0.3150, 0.4514**, and **19.0272, 0.3051, 0.5351** is the 20% darker color. If you saturate the color by 10%, you get **40.3476, 0.3108, 0.5164**, and if you desaturate by 10%, it is **43.1700, 0.3129, 0.4480**.

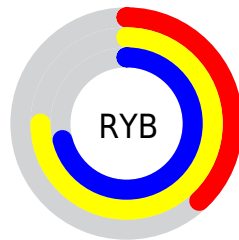
Distribution



Red (42%)

Green (75%)

Blue (38%)



Red (38%)

Yellow (75%)

Blue (71%)

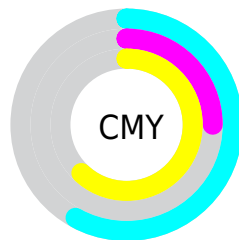


Cyan (45%)

Magenta (0%)

Yellow (50%)

Black (25%)



Cyan (58%)


Magenta (25%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6080, 0.3121, 0.4827 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 41.6080, 0.3121, 0.4827 by changing the saturation by 10% instead.

 41.6080, 0.3121,
0.4827

 41.6080, 0.3121,
0.4827


352.8554, 0.3162,
0.3994


 28.7945, 0.3095,
0.5053


 77.6060, 0.3147,
0.4510


 18.9254, 0.3050,
0.5350


 101.5593, 0.3153,
0.4395

 11.6164, 0.2968,
0.5756


 129.9946, 0.3157,
0.4300

 6.4830, 0.2812,
0.6330

 163.2963, 0.3160,
0.4219

 3.1410, 0.2577,
0.7423

201.8488, 0.3161,
0.4151

 1.2058, 0.0140,
0.9860

246.0366, 0.3162,


 0.0664, 0.0000,


0.4091


1.0000


296.2440, 0.3162,
0.4039

 0.0000, 0.0000,
0.0000


 41.6080, 0.3121,
0.4827

 41.6080, 0.3121,
0.4827


 40.3476, 0.3108,
0.5164

 43.1700, 0.3129,
0.4480

 39.3643, 0.3090,
0.5468

 45.0458, 0.3133,
0.4143

 38.6386, 0.3068,
0.5714


 47.2532, 0.3134,
0.3828

 38.1458, 0.3044,
0.5884

 49.8072, 0.3131,
0.3543

 37.8504, 0.3024,
0.5981

 52.7218, 0.3127,
0.3290

 37.8500, 0.3024,
0.5981

 56.0104, 0.3122,
0.3067

 59.6856, 0.3116,
0.2874

 63.7593, 0.3109,
0.2706

 66.1828, 0.3156,
0.2673

Harmonies

Analogous

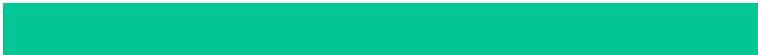
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.6080, 0.3933, 0.4835



41.6080, 0.3121, 0.4827



41.6080, 0.2354, 0.4153

Triad

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



41.6080, 0.3121, 0.4827



41.6080, 0.1784, 0.2075



41.6080, 0.4580, 0.3140

Complementary

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



41.6080, 0.3121, 0.4827



22.1341, 0.3069, 0.2058

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.



41.6080, 0.3828, 0.2592



41.6080, 0.3121, 0.4827



41.6080, 0.2210, 0.2005

Square

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



41.6080, 0.3121, 0.4827



41.6080, 0.1657, 0.2454



41.6080, 0.2931, 0.2192



41.6080, 0.4850, 0.3755

Rectangle

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



41.6080, 0.3121, 0.4827



41.6080, 0.1976, 0.3506



41.6080, 0.2931, 0.2192



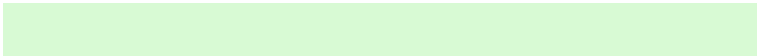
41.6080, 0.4370, 0.2946

Sweetspot

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



41.6098, 0.3121, 0.4827



87.7268, 0.3133, 0.3689



45.0239, 0.3916, 0.4371



18.6132, 0.3133, 0.3751



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.



41.6098, 0.3121, 0.4827



72.9047, 0.3106, 0.5196



41.8803, 0.2832, 0.4251



11.3075, 0.3131, 0.3527



25.4832, 0.3028, 0.5978



1.1182, 0.3120, 0.5904

Inverse Universe

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



22.1341, 0.3069, 0.2058



33.5622, 0.3047, 0.1831



21.9540, 0.3642, 0.2510



10.1929, 0.3122, 0.3062



8.4937, 0.2953, 0.1400



0.3825, 0.3014, 0.1434

Previews

White Background



This preview shows how the Yxy color 41.6080, 0.3121, 0.4827 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 41.6080, 0.3121, 0.4827 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 41.6080, 0.3121, 0.4827

Background



This preview shows how black text looks on a background with the Yxy color 41.6080, 0.3121, 0.4827.



This preview shows how white text looks on a background with the Yxy color 41.6080, 0.3121, 0.4827.

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

41.6080, 0.3121, 0.4827

Protanopia

41.0451, 0.3995, 0.4367

Deuteranopia

40.9401, 0.4124, 0.4045



Tritanopia

41.3932, 0.2594, 0.3073

Trichromacy



Original Color

41.6080, 0.3121, 0.4827



Protanomaly

40.3838, 0.3637, 0.4540



Deuteranomaly

39.8501, 0.3720, 0.4330



Tritanomaly

41.0875, 0.2788, 0.3675

Monochromacy



Original Color

41.6080, 0.3121, 0.4827



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.0449, 0.3129, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6080, 0.3121, 0.4827 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(106, 192, 96)` looks like.

```
.text, #text, p{  
    color:rgb(106, 192, 96)  
}
```

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(106, 192, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 192, 96) }
```

Border

The CSS property to change the border of an element to Yxy 41.6080, 0.3121, 0.4827 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(106, 192, 96) }
```

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

```
.border{ border-color:rgb(106, 192, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 192, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 192, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 192, 96);  
box-shadow:4px 4px 4px 4px rgb(106, 192,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6080, 0.3121, 0.4827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 192, 96) }
```

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

```
.background{ background-color: rgb(106,  
192, 96) }
```

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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