

Converting Colors

$Yxy(64.3059, 0.3753, 0.4301)$

Have a look what the booklet for
Yxy(64.3059, 0.3753, 0.4301)
contains.

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Color

Yxy(64.1984, 0.3755, 0.4294)

Conversions

Conversions Part 1

Format	Color
Hex	D8D67E
RGB	216, 214, 126
RGB Percent	85%, 84%, 49%
CMY	0.1528, 0.1608, 0.5059
CMYK	0.00, 0.01, 0.42, 0.15
HSL	59°, 54%, 67%
HSV	59°, 42%, 85%
XYZ	56.1400, 64.1984, 29.1689
YIQ	204.5660, 29.4400, -26.9440

Conversions

Conversions Part 2

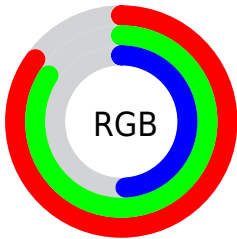
Format	Color
RYB	128, 216, 126
Decimal	14210686
CIELab	84.07, -11.82, 43.60
CIELCh	84, 45.177, 105.163
Yxy	64.1984, 0.3755, 0.4294
Android (android.graphics.Color)	4292400766 (0xFFD8D67E)
YUV	204.5660, -38.7330, 10.0276
Hunter-Lab	80.1239, -15.1483, 34.5024

Details

The Yxy color **64.1984, 0.3755, 0.4294** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.8447, 0.2358, 0.2039**, and the grayscale version is **61.0014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0753, 0.3573, 0.4028**, and **32.7779, 0.3888, 0.4525** is the 20% darker color. If you saturate the color by 10%, you get **63.4543, 0.3890, 0.4507**, and if you desaturate by 10%, it is **65.0695, 0.3608, 0.4061**.

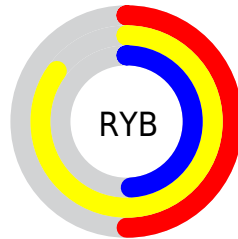
Distribution



Red (85%)

Green (84%)

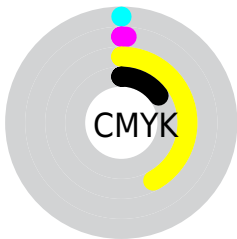
Blue (49%)



Red (50%)

Yellow (85%)

Blue (49%)

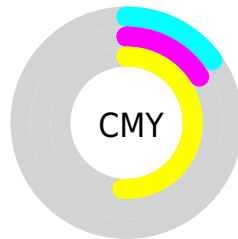


Cyan (0%)

Magenta (1%)

Yellow (42%)

Black (15%)



Cyan (15%)


Magenta (16%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1984, 0.3755, 0.4294 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 64.1984, 0.3755, 0.4294 by changing the saturation by 10% instead.

 64.1984, 0.3755,
0.4294


 64.1984, 0.3755,
0.4294


439.9057, 0.3474,
0.3818

 46.8114, 0.3814,
0.4403


 110.8966, 0.3661,
0.4128

 32.8866, 0.3883,
0.4536


 140.9766, 0.3623,
0.4064

 22.0396, 0.3964,
0.4701


 176.0564, 0.3590,
0.4008

 13.8860, 0.4055,
0.4908


216.5203, 0.3561,
0.3960

 8.0414, 0.4149,
0.5169

262.7528, 0.3536,
0.3918

 4.1215, 0.4345,
0.5655

315.1383, 0.3513,

 1.7417, 0.4164,

0.3881

0.5836

374.0612, 0.3492,
0.3847

0.4505, 0.2367,
0.7633

0.0000, 0.0000,
0.0000

64.1984, 0.3755,
0.4294

64.1984, 0.3755,
0.4294

63.4543, 0.3890,
0.4507

65.0695, 0.3608,
0.4061

62.8206, 0.4008,
0.4690


66.0660, 0.3455,
0.3816


62.2915, 0.4103,
0.4835


67.1974, 0.3301,
0.3570


61.8570, 0.4172,
0.4938

68.4698, 0.3152,
0.3330


 61.5050, 0.4214,
0.4997


 69.8889, 0.3009,
0.3099

 61.2579, 0.4234,
0.5020

 71.4203, 0.2879,
0.2889

 71.6737, 0.2879,
0.2894

 71.9280, 0.2879,
0.2899

 72.1830, 0.2880,
0.2905

Harmonies

Analogous

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



64.1984, 0.4145, 0.4028



64.1984, 0.3755, 0.4294



64.1984, 0.3216, 0.4266

Triad

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



64.1984, 0.3755, 0.4294



64.1984, 0.2115, 0.2801



64.1984, 0.3534, 0.2784

Complementary

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



64.1984, 0.3755, 0.4294



24.8447, 0.2358, 0.2039

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.



64.1984, 0.2954, 0.2507



64.1984, 0.3755, 0.4294



64.1984, 0.2180, 0.2488

Square

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



64.1984, 0.3755, 0.4294



64.1984, 0.2287, 0.3313



64.1984, 0.2471, 0.2397



64.1984, 0.4029, 0.3176

Rectangle

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



64.1984, 0.3755, 0.4294



64.1984, 0.2849, 0.4045



64.1984, 0.2471, 0.2397



64.1984, 0.3340, 0.2676

Sweetspot

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



64.2013, 0.3755, 0.4294



97.5660, 0.3323, 0.3606



31.1105, 0.4161, 0.3256



20.8023, 0.3357, 0.3660



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



64.2013, 0.3755, 0.4294



92.4899, 0.3875, 0.4483



59.6398, 0.3411, 0.4442



14.4692, 0.3267, 0.3515



36.2660, 0.4233, 0.5021



2.2031, 0.4226, 0.5027

Inverse Universe

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



24.8447, 0.2358, 0.2039



27.8420, 0.2170, 0.1730



28.2071, 0.2713, 0.2125



12.0535, 0.2981, 0.3054



3.0189, 0.1504, 0.0616



0.1984, 0.1518, 0.0665

Previews

White Background



This preview shows how the Yxy color 64.1984, 0.3755, 0.4294 looks on a white background.

Color Contrast Check

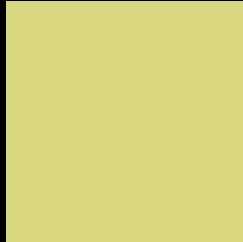
Large Text (above 18pt) WCAG AA × Fail

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 64.1984, 0.3755, 0.4294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

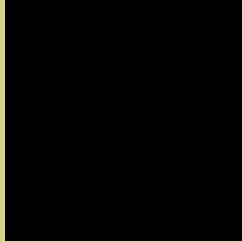
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.1984, 0.3755, 0.4294

Background



This preview shows how black text looks on a background with the Yxy color 64.1984, 0.3755, 0.4294.



This preview shows how white text looks on a background with the Yxy color 64.1984, 0.3755, 0.4294.

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

64.1984, 0.3755, 0.4294

Protanopia

64.2064, 0.3893, 0.4236

Deuteranopia

63.9644, 0.4116, 0.4020



Tritanopia

63.9951, 0.3189, 0.3115

Trichromacy



Original Color

64.1984, 0.3755, 0.4294

Protanomaly

63.9165, 0.3840, 0.4251

Deuteranomaly

63.7464, 0.3981, 0.4116

Tritanomaly

63.6580, 0.3403, 0.3540

Monochromacy



Original Color

64.1984, 0.3755, 0.4294

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.8016, 0.3364, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1984, 0.3755, 0.4294 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(216, 214, 126)` looks like.

```
.text, #text, p{  
    color:rgb(216, 214, 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(216, 214, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 214, 126) }
```

Border

The CSS property to change the border of an element to Yxy 64.1984, 0.3755, 0.4294 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(216, 214, 126) }
```

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

```
.border{ border-color:rgb(216, 214, 126) }
```

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

Here you see how a box with a 4 pixel rgb(216, 214, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 214, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 214, 126);  
box-shadow:4px 4px 4px 4px rgb(216, 214,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1984, 0.3755, 0.4294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 214, 126) }
```

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

```
.background{ background-color: rgb(216,  
214, 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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