

Converting Colors

$Yxy(51.5319, 0.4292, 0.4335)$

Have a look what the booklet for
Yxy(51.5319, 0.4292, 0.4335)
contains.

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Color

Yxy(51.6271, 0.4297, 0.4335)

Conversions

Conversions Part 1

Format	Color
Hex	E5B857
RGB	229, 184, 87
RGB Percent	90%, 72%, 34%
CMY	0.1020, 0.2784, 0.6587
CMYK	0.00, 0.20, 0.62, 0.10
HSL	41°, 73%, 62%
HSV	41°, 62%, 90%
XYZ	51.1745, 51.6271, 16.2920
YIQ	186.3970, 57.9570, -20.6270

Conversions

Conversions Part 2

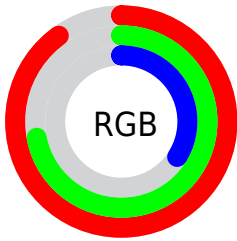
Format	Color
RYB	153, 229, 87
Decimal	15054935
CIELab	77.06, 5.65, 54.27
CIElCh	77, 54.559, 84.052
Yxy	51.6271, 0.4297, 0.4335
Android (android.graphics.Color)	4293245015 (0xFFE5B857)
YUV	186.3970, -49.0027, 37.3628
Hunter-Lab	71.8520, 1.3905, 36.8527

Details

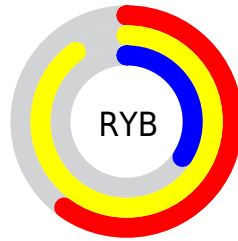
The Yxy color **51.6271, 0.4297, 0.4335** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **24.1955, 0.2058, 0.1891**, and the grayscale version is **49.5964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4736, 0.3860, 0.4277**, and **24.8941, 0.4552, 0.4536** is the 20% darker color. If you saturate the color by 10%, you get **48.3741, 0.4491, 0.4441**, and if you desaturate by 10%, it is **55.1585, 0.4092, 0.4194**.

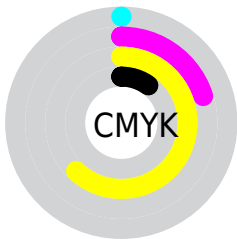
Distribution



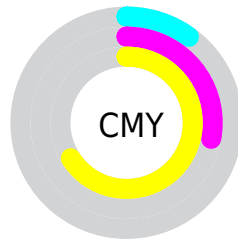
- Red (90%)
- Green (72%)
- Blue (34%)



- Red (60%)
- Yellow (90%)
- Blue (34%)



- Cyan (0%)
- Magenta (20%)
- Yellow (62%)
- Black (10%)





- Cyan (10%)
- Magenta (28%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6271, 0.4297, 0.4335 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 51.6271, 0.4297, 0.4335 by changing the saturation by 10% instead.


 51.6271, 0.4297,
0.4335

 51.6271, 0.4297,
0.4335


392.9953, 0.3750,
0.3862


 36.7079, 0.4414,
0.4431


 92.5811, 0.4112,
0.4179

 24.9814, 0.4550,
0.4538


 119.3846, 0.4038,
0.4115

 16.0632, 0.4707,
0.4656


 150.9185, 0.3974,
0.4059

 9.5689, 0.4886,
0.4778

 187.5670, 0.3918,
0.4010

 5.1141, 0.5098,
0.4902

229.7145, 0.3868,
0.3967

 2.3144, 0.5165,
0.4835

277.7455, 0.3824,

 0.7813, 0.5301,

0.3928

0.4699

332.0443, 0.3785,
0.3893

0.0000, 0.0000,
0.0000

51.6271, 0.4297,
0.4335

51.6271, 0.4297,
0.4335

48.3741, 0.4491,
0.4441

55.1585, 0.4092,
0.4194

45.3780, 0.4663,
0.4503

58.9733, 0.3885,
0.4030

42.6250, 0.4806,
0.4514

63.0851, 0.3683,
0.3853

40.5759, 0.4900,
0.4491

67.5043, 0.3493,
0.3672

72.2408, 0.3318,
0.3494

■ 77.3035, 0.3157,
0.3323

■ 82.7013, 0.3013,
0.3162

■ 87.4218, 0.2968,
0.3159

■ 91.8299, 0.2969,
0.3233

Harmonies

Analogous

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



51.6271, 0.4583, 0.3830



51.6271, 0.4297, 0.4335



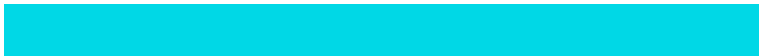
51.6271, 0.3712, 0.4634

Triad

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



51.6271, 0.4297, 0.4335



51.6271, 0.1967, 0.3081



51.6271, 0.3111, 0.2392

Complementary

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



51.6271, 0.4297, 0.4335



24.1955, 0.2058, 0.1891

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.



51.6271, 0.2446, 0.2189



51.6271, 0.4297, 0.4335



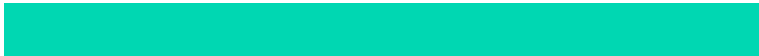
51.6271, 0.1852, 0.2501

Square

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



51.6271, 0.4297, 0.4335



51.6271, 0.2371, 0.3858



51.6271, 0.2015, 0.2212



51.6271, 0.3865, 0.2779

Rectangle

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



51.6271, 0.4297, 0.4335



51.6271, 0.3243, 0.4597



51.6271, 0.2015, 0.2212



51.6271, 0.2869, 0.2302

Sweetspot

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



51.6296, 0.4297, 0.4335



87.8541, 0.3441, 0.3621



25.2112, 0.4416, 0.2780



18.4411, 0.3493, 0.3672



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.



51.6296, 0.4297, 0.4335



60.7744, 0.4535, 0.4461



69.7532, 0.3811, 0.4832



16.0063, 0.3275, 0.3450



23.4255, 0.4886, 0.4502



1.8963, 0.4760, 0.4602

Inverse Universe

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



24.1955, 0.2058, 0.1891



23.3374, 0.1868, 0.1569



15.8393, 0.2078, 0.1368



14.6289, 0.2981, 0.3125



6.1186, 0.1623, 0.1042



0.6145, 0.1704, 0.1333

Previews

White Background



This preview shows how the Yxy color 51.6271, 0.4297, 0.4335 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 51.6271, 0.4297, 0.4335 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 51.6271, 0.4297, 0.4335

Background



This preview shows how black text looks on a background with the Yxy color 51.6271, 0.4297, 0.4335.



This preview shows how white text looks on a background with the Yxy color 51.6271, 0.4297, 0.4335.

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

51.6271, 0.4297, 0.4335

Protanopia

51.8318, 0.4074, 0.4465

Deuteranopia

51.4145, 0.4366, 0.4272



Tritanopia

51.4795, 0.3584, 0.3136

Trichromacy



Original Color

51.6271, 0.4297, 0.4335

Protanomaly

51.5764, 0.4164, 0.4414

Deuteranomaly

51.4841, 0.4341, 0.4290

Tritanomaly

51.1711, 0.3872, 0.3587

Monochromacy



Original Color

51.6271, 0.4297, 0.4335

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.4565, 0.3561, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6271, 0.4297, 0.4335 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(229, 184, 87)` looks like.

```
.text, #text, p{  
    color:rgb(229, 184, 87)  
}
```

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(229, 184, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 184, 87) }
```

Border

The CSS property to change the border of an element to Yxy 51.6271, 0.4297, 0.4335 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(229, 184, 87) }
```

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

```
.border{ border-color:rgb(229, 184, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 184, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 184, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 184, 87);  
box-shadow:4px 4px 4px 4px rgb(229, 184,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6271, 0.4297, 0.4335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 184, 87) }
```

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

```
.background{ background-color: rgb(229,  
184, 87) }
```

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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