

Converting Colors

Yxy(64.0220, 0.4039, 0.4656)

Have a look what the booklet for
Yxy(64.0220, 0.4039, 0.4656)
contains.

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Color

Yxy(64.1212, 0.4032, 0.4658)

Conversions

Conversions Part 1

Format	Color
Hex	DDD655
RGB	221, 214, 85
RGB Percent	87%, 84%, 33%
CMY	0.1333, 0.1608, 0.6669
CMYK	0.00, 0.03, 0.62, 0.13
HSL	57°, 67%, 60%
HSV	57°, 62%, 87%
XYZ	55.5038, 64.1212, 18.0332
YIQ	201.3870, 45.5810, -38.6350

Conversions

Conversions Part 2

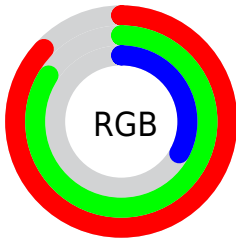
Format	Color
R _Y B	92, 221, 85
Decimal	14538325
CIE Lab	84.03, -13.23, 62.63
CIE LCh	84, 64.013, 101.931
Yxy	64.1212, 0.4032, 0.4658
Android (android.graphics.Color)	4292728405 (0xFFDDD655)
YUV	201.3870, -57.3788, 17.2006
Hunter-Lab	80.0757, -16.4068, 42.7008

Details

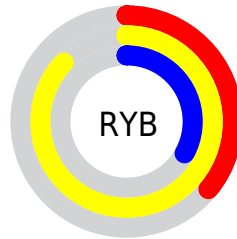
The Yxy color **64.1212, 0.4032, 0.4658** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **14.7931, 0.1952, 0.1401**, and the grayscale version is **59.0020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6734, 0.3798, 0.4400**, and **33.0027, 0.4174, 0.4945** is the 20% darker color. If you saturate the color by 10%, you get **63.2532, 0.4135, 0.4801**, and if you desaturate by 10%, it is **65.1089, 0.3907, 0.4477**.

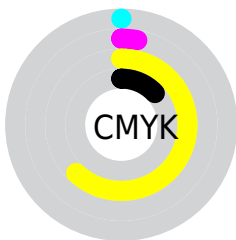
Distribution



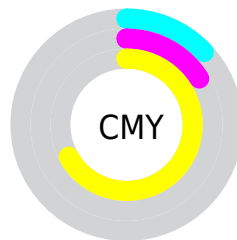
- Red (87%)
- Green (84%)
- Blue (33%)



- Red (36%)
- Yellow (87%)
- Blue (33%)



- Cyan (0%)
- Magenta (3%)
- Yellow (62%)
- Black (13%)





- Cyan (13%)
- Magenta (16%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1212, 0.4032, 0.4658 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 64.1212, 0.4032, 0.4658 by changing the saturation by 10% instead.

 64.1212, 0.4032,
0.4658


 64.1212, 0.4032,
0.4658

439.6272, 0.3648,
0.4030


 46.7488, 0.4103,
0.4790


 110.7855, 0.3911,
0.4447

 32.8372, 0.4179,
0.4944


 140.8462, 0.3860,
0.4363

 22.0017, 0.4256,
0.5122


 175.9051, 0.3814,
0.4289

 13.8582, 0.4321,
0.5322

 216.3467, 0.3774,
0.4224

 8.0221, 0.4401,
0.5599

262.5553, 0.3737,
0.4167

 4.1091, 0.4280,
0.5720

314.9153, 0.3704,

 1.7348, 0.4075,

0.4116

0.5925

373.8111, 0.3675,
0.4071

0.4460, 0.1844,
0.8156

0.0000, 0.0000,
0.0000

64.1212, 0.4032,
0.4658

64.1212, 0.4032,
0.4658

63.2532, 0.4135,
0.4801

65.1089, 0.3907,
0.4477

62.4852, 0.4212,
0.4901

66.2164, 0.3765,
0.4268

61.8075, 0.4262,
0.4958

67.4552, 0.3613,
0.4039

61.2880, 0.4287,
0.4978

68.8326, 0.3456,
0.3800

■ 70.3557, 0.3301,
0.3560

■ 72.0310, 0.3150,
0.3326

■ 73.8644, 0.3007,
0.3102

■ 75.4197, 0.2914,
0.2958

■ 76.0292, 0.2914,
0.2970

Harmonies

Analogous

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



64.1212, 0.4565, 0.4196



64.1212, 0.4032, 0.4658



64.1212, 0.3296, 0.4744

Triad

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



64.1212, 0.4032, 0.4658



64.1212, 0.1767, 0.2642



64.1212, 0.3601, 0.2550

Complementary

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



64.1212, 0.4032, 0.4658



14.7931, 0.1952, 0.1401

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.



64.1212, 0.2790, 0.2210



64.1212, 0.4032, 0.4658



64.1212, 0.1825, 0.2212

Square

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



64.1212, 0.4032, 0.4658



64.1212, 0.2010, 0.3387



64.1212, 0.2169, 0.2084



64.1212, 0.4347, 0.3044

Rectangle

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



64.1212, 0.4032, 0.4658



64.1212, 0.2790, 0.4472



64.1212, 0.2169, 0.2084



64.1212, 0.3322, 0.2416

Sweetspot

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



64.1242, 0.4032, 0.4658



95.8920, 0.3403, 0.3718



22.6692, 0.4950, 0.3199



20.3965, 0.3449, 0.3788



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.



64.1242, 0.4032, 0.4658



87.1424, 0.4161, 0.4836



60.0550, 0.3522, 0.4988



15.1431, 0.3268, 0.3509



35.6548, 0.4285, 0.4979



2.3458, 0.4269, 0.4992

Inverse Universe

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



14.7931, 0.1952, 0.1401



13.5578, 0.1729, 0.1023



17.6294, 0.2400, 0.1523



12.7240, 0.2981, 0.3061



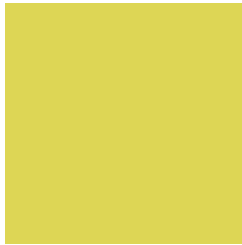
3.2262, 0.1510, 0.0634



0.2477, 0.1538, 0.0737

Previews

White Background



This preview shows how the Yxy color 64.1212, 0.4032, 0.4658 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 64.1212, 0.4032, 0.4658 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 64.1212, 0.4032, 0.4658

Background



This preview shows how black text looks on a background with the Yxy color 64.1212, 0.4032, 0.4658.



This preview shows how white text looks on a background with the Yxy color 64.1212, 0.4032, 0.4658.

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

64.1212, 0.4032, 0.4658

Protanopia

64.0569, 0.4161, 0.4576

Deuteranopia

63.6943, 0.4256, 0.4189



Tritanopia

64.0548, 0.3267, 0.3129

Trichromacy



Original Color

64.1212, 0.4032, 0.4658

Protanomaly

63.8866, 0.4122, 0.4603

Deuteranomaly

63.6569, 0.4183, 0.4355

Tritanomaly

63.6278, 0.3590, 0.3717

Monochromacy



Original Color

64.1212, 0.4032, 0.4658

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

60.0557, 0.3485, 0.3852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1212, 0.4032, 0.4658 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(221, 214, 85)` looks like.

```
.text, #text, p{  
    color:rgb(221, 214, 85)  
}
```

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(221, 214, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 214, 85) }
```

Border

The CSS property to change the border of an element to Yxy 64.1212, 0.4032, 0.4658 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(221, 214, 85) }
```

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

```
.border{ border-color:rgb(221, 214, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 214, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 214, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 214, 85);  
box-shadow:4px 4px 4px 4px rgb(221, 214,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1212, 0.4032, 0.4658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 214, 85) }
```

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

```
.background{ background-color: rgb(221,  
214, 85) }
```

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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