

Converting Colors

Yxy(63.8222, 0.4246, 0.4908)

Have a look what the booklet for
Yxy(63.8222, 0.4246, 0.4908)
contains.

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Color

Yxy(63.7174, 0.4247, 0.4907)

Conversions

Conversions Part 1

Format	Color
Hex	E1D523
RGB	225, 213, 35
RGB Percent	88%, 84%, 14%
CMY	0.1177, 0.1647, 0.8626
CMYK	0.00, 0.05, 0.84, 0.12
HSL	56°, 76%, 51%
HSV	56°, 84%, 88%
XYZ	55.1473, 63.7174, 10.9853
YIQ	196.2960, 64.2900, -52.8140

Conversions

Conversions Part 2

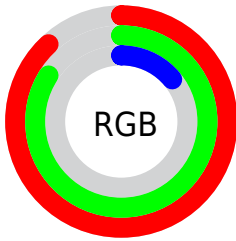
Format	Color
R _Y B	48, 225, 35
Decimal	14800163
CIE Lab	83.82, -13.22, 78.99
CIE LCh	84, 80.093, 99.503
Yxy	63.7174, 0.4247, 0.4907
Android (android.graphics.Color)	4292990243 (0xFFE1D523)
YUV	196.2960, -79.5189, 25.1734
Hunter-Lab	79.8232, -16.3706, 47.7167

Details

The Yxy color **63.7174, 0.4247, 0.4907** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **7.8294, 0.1610, 0.0824**, and the grayscale version is **55.8515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7001, 0.3986, 0.4709**, and **32.7956, 0.4257, 0.5002** is the 20% darker color. If you saturate the color by 10%, you get **62.9158, 0.4292, 0.4950**, and if you desaturate by 10%, it is **64.6168, 0.4175, 0.4821**.

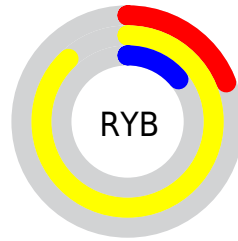
Distribution



Red (88%)

Green (84%)

Blue (14%)



Red (19%)

Yellow (88%)

Blue (14%)

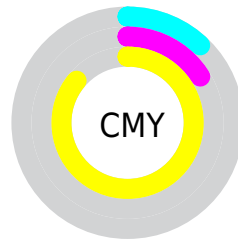


Cyan (0%)

Magenta (5%)

Yellow (84%)

Black (12%)



Cyan (12%)


Magenta (16%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7174, 0.4247, 0.4907 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 63.7174, 0.4247, 0.4907 by changing the saturation by 10% instead.


 63.7174, 0.4247,
0.4907


 63.7174, 0.4247,
0.4907


438.1684, 0.3802,
0.4201


 46.4218, 0.4316,
0.5039


 110.2038, 0.4117,
0.4682

 32.5788, 0.4380,
0.5183


 140.1635, 0.4059,
0.4588


 21.8040, 0.4430,
0.5334


 175.1133, 0.4005,
0.4504

 13.7129, 0.4480,
0.5520

 215.4377, 0.3957,
0.4430

 7.9213, 0.4399,
0.5601

 261.5210, 0.3913,
0.4363

 4.0446, 0.4277,
0.5723


 313.7476, 0.3872,

 1.6986, 0.4070,


0.4303


0.5930


372.5019, 0.3836,
0.4249


 0.4227, 0.1574,
0.8426


 0.0000, 0.0000,
0.0000


 63.7174, 0.4247,
0.4907

 63.7174, 0.4247,
0.4907


 62.9158, 0.4292,
0.4950

 64.6168, 0.4175,
0.4821

 62.4940, 0.4309,
0.4960

 65.6192, 0.4076,
0.4691

 66.7392, 0.3953,
0.4521

 67.9869, 0.3813,
0.4320

69.3711, 0.3661,
0.4097

70.8999, 0.3503,
0.3863

72.5808, 0.3346,
0.3625

74.4207, 0.3193,
0.3391

76.4261, 0.3047,
0.3166

Harmonies

Analogous

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



63.7174, 0.4900, 0.4266



63.7174, 0.4247, 0.4907



63.7174, 0.3360, 0.5160

Triad

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



63.7174, 0.4247, 0.4907



63.7174, 0.1505, 0.2521



63.7174, 0.3620, 0.2352

Complementary

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



63.7174, 0.4247, 0.4907



7.8294, 0.1610, 0.0824

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.



63.7174, 0.2626, 0.1975



63.7174, 0.4247, 0.4907



63.7174, 0.1553, 0.2000

Square

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



63.7174, 0.4247, 0.4907



63.7174, 0.1798, 0.3476



63.7174, 0.1919, 0.1844



63.7174, 0.4591, 0.2913

Rectangle

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



63.7174, 0.4247, 0.4907



63.7174, 0.2747, 0.4883



63.7174, 0.1919, 0.1844



63.7174, 0.3270, 0.2202

Sweetspot

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



63.7204, 0.4247, 0.4907



94.0136, 0.3515, 0.3881



17.4220, 0.5955, 0.3224



19.9653, 0.3571, 0.3964



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.



63.7204, 0.4247, 0.4907



82.9430, 0.4310, 0.4960



59.7780, 0.3520, 0.5465



15.8737, 0.3269, 0.3507



36.0809, 0.4307, 0.4962



2.5463, 0.4288, 0.4977

Inverse Universe

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



7.8294, 0.1610, 0.0824



7.5931, 0.1508, 0.0628



10.4474, 0.2072, 0.1003



13.3813, 0.2981, 0.3063



3.3742, 0.1512, 0.0641



0.2835, 0.1545, 0.0760

Previews

White Background



This preview shows how the Yxy color 63.7174, 0.4247, 0.4907 looks on a white background.

Color Contrast Check

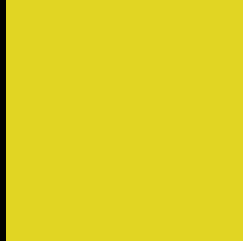
Large Text (above 18pt) WCAG AA × Fail

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 63.7174, 0.4247, 0.4907 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 63.7174, 0.4247, 0.4907

Background



This preview shows how black text looks on a background with the Yxy color 63.7174, 0.4247, 0.4907.



This preview shows how white text looks on a background with the Yxy color 63.7174, 0.4247, 0.4907.

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

63.7174, 0.4247, 0.4907

Protanopia

63.3786, 0.4363, 0.4821

Deuteranopia

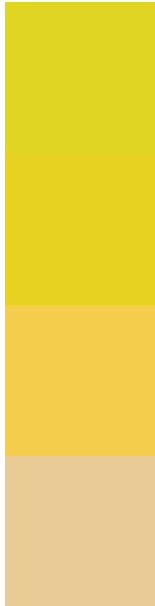
63.4694, 0.4326, 0.4280



Tritanopia

63.4203, 0.3325, 0.3119

Trichromacy



Original Color

63.7174, 0.4247, 0.4907

Protanomaly

63.1976, 0.4322, 0.4853

Deuteranomaly

63.4175, 0.4325, 0.4538

Tritanomaly

62.2054, 0.3778, 0.3892

Monochromacy



Original Color

63.7174, 0.4247, 0.4907

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

57.3126, 0.3651, 0.4073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7174, 0.4247, 0.4907 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(225, 213, 35)` looks like.

```
.text, #text, p{  
    color:rgb(225, 213, 35)  
}
```

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(225, 213, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 213, 35) }
```

Border

The CSS property to change the border of an element to Yxy 63.7174, 0.4247, 0.4907 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(225, 213, 35) }
```

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

```
.border{ border-color:rgb(225, 213, 35) }
```

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

Here you see how a box with a 4 pixel rgb(225, 213, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 213, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 213, 35);  
box-shadow:4px 4px 4px 4px rgb(225, 213,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7174, 0.4247, 0.4907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 213, 35) }
```

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

```
.background{ background-color: rgb(225,  
213, 35) }
```

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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