

Converting Colors

$Yxy(65.5100, 0.4291, 0.4709)$

Have a look what the booklet for
Yxy(65.5100, 0.4291, 0.4709)
contains.

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Color

Yxy(65.6010, 0.4286, 0.4713)

Conversions

Conversions Part 1

Format	Color
Hex	EED43D
RGB	238, 212, 61
RGB Percent	93%, 83%, 24%
CMY	0.0665, 0.1687, 0.7608
CMYK	0.00, 0.11, 0.74, 0.07
HSL	51°, 84%, 59%
HSV	51°, 74%, 93%
XYZ	59.6575, 65.6010, 13.9331
YIQ	202.5600, 63.9670, -41.4490

Conversions

Conversions Part 2

Format	Color
R_{YB}	91, 238, 61
Decimal	15651901
CIE Lab	84.79, -6.35, 73.00
CIE LCh	85, 73.272, 94.972
Yxy	65.6010, 0.4286, 0.4713
Android (android.graphics.Color)	4293841981 (0xFFEED43D)
YUV	202.5600, -69.7891, 31.0809
Hunter-Lab	80.9944, -10.2638, 46.4967

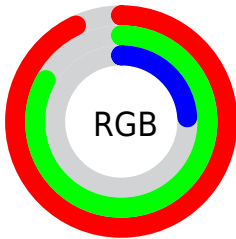
Details

The Yxy color **65.6010, 0.4286, 0.4713** is a light color, and the websafe version is hex **FFCC33**.

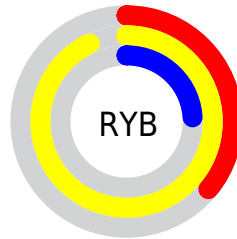
The color can be described as light washed yellow. A complement of this color would be **13.9949, 0.1771, 0.1193**, and the grayscale version is **59.8516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1119, 0.3903, 0.4572**, and **33.9187, 0.4405, 0.4885** is the 20% darker color. If you saturate the color by 10%, you get **63.6693, 0.4384, 0.4789**, and if you desaturate by 10%, it is **67.6907, 0.4161, 0.4592**.

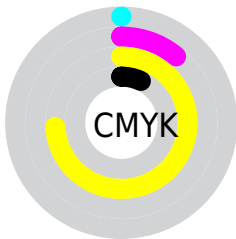
Distribution



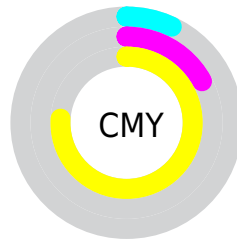
- Red (93%)
- Green (83%)
- Blue (24%)



- Red (36%)
- Yellow (93%)
- Blue (24%)



- Cyan (0%)
- Magenta (11%)
- Yellow (74%)
- Black (7%)





- Cyan (7%)
- Magenta (17%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6010, 0.4286, 0.4713 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 65.6010, 0.4286, 0.4713 by changing the saturation by 10% instead.

 65.6010, 0.4286,
0.4713

 65.6010, 0.4286,
0.4713

444.9486, 0.3803,
0.4096

 47.9486, 0.4371,
0.4830

 112.9135, 0.4137,
0.4516

 33.7862, 0.4460,
0.4958


 143.3423, 0.4073,
0.4434


 22.7294, 0.4546,
0.5094


 178.7987, 0.4016,
0.4361

 14.3938, 0.4639,
0.5253

 219.6671, 0.3964,
0.4296

 8.3951, 0.4653,
0.5347

 266.3319, 0.3918,
0.4237

 4.3488, 0.4598,
0.5402

319.1775, 0.3876,

 1.8705, 0.4507,

0.4185

0.5493

378.5883, 0.3838,
0.4138

■ 0.5306, 0.3970,
0.6030

■ 0.0000, 0.0000,
0.0000

■ 65.6010, 0.4286,
0.4713

■ 65.6010, 0.4286,
0.4713

■ 63.6693, 0.4384,
0.4789

■ 67.6907, 0.4161,
0.4592


■ 61.8697, 0.4454,
0.4820

■ 69.9426, 0.4014,
0.4432


■ 60.9022, 0.4484,
0.4822

■ 72.3716, 0.3853,
0.4243


■ 74.9882, 0.3684,
0.4034

 77.8018, 0.3515,
0.3815

 80.8212, 0.3350,
0.3596

 84.0546, 0.3193,
0.3381

 87.5094, 0.3046,
0.3176

 89.8194, 0.3025,
0.3176

Harmonies

Analogous

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



65.6010, 0.4818, 0.4122



65.6010, 0.4286, 0.4713



65.6010, 0.3493, 0.4985

Triad

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



65.6010, 0.4286, 0.4713



65.6010, 0.1647, 0.2708



65.6010, 0.3436, 0.2360

Complementary

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



65.6010, 0.4286, 0.4713



13.9949, 0.1771, 0.1193

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.



65.6010, 0.2555, 0.2038



65.6010, 0.4286, 0.4713



65.6010, 0.1642, 0.2157

Square

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



65.6010, 0.4286, 0.4713



65.6010, 0.1983, 0.3623



65.6010, 0.1943, 0.1957



65.6010, 0.4342, 0.2867

Rectangle

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



65.6010, 0.4286, 0.4713



65.6010, 0.2922, 0.4801



65.6010, 0.1943, 0.1957



65.6010, 0.3123, 0.2229

Sweetspot

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



65.6041, 0.4286, 0.4713



91.7434, 0.3477, 0.3765



22.2208, 0.5351, 0.3074



19.4370, 0.3522, 0.3825



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.



65.6041, 0.4286, 0.4713



73.3730, 0.4423, 0.4810



70.7530, 0.3640, 0.5219



18.0393, 0.3272, 0.3490



34.1123, 0.4479, 0.4826



2.9447, 0.4435, 0.4860

Inverse Universe

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



13.9949, 0.1771, 0.1193



10.8536, 0.1596, 0.0857



13.7229, 0.2085, 0.1132



15.6041, 0.2980, 0.3082



4.2288, 0.1534, 0.0720



0.4657, 0.1588, 0.0918

Previews

White Background



This preview shows how the Yxy color 65.6010, 0.4286, 0.4713 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 65.6010, 0.4286, 0.4713 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 65.6010, 0.4286, 0.4713

Background



This preview shows how black text looks on a background with the Yxy color 65.6010, 0.4286, 0.4713.



This preview shows how white text looks on a background with the Yxy color 65.6010, 0.4286, 0.4713.

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

65.6010, 0.4286, 0.4713

Protanopia

65.4284, 0.4278, 0.4719

Deuteranopia

65.2562, 0.4191, 0.4156



Tritanopia

65.5163, 0.3428, 0.3135

Trichromacy



Original Color

65.6010, 0.4286, 0.4713

Protanomaly

65.4284, 0.4278, 0.4719

Deuteranomaly

65.1454, 0.4248, 0.4373

Tritanomaly

64.7733, 0.3817, 0.3772

Monochromacy



Original Color

65.6010, 0.4286, 0.4713

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.9759, 0.3610, 0.3933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6010, 0.4286, 0.4713 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(238, 212, 61)` looks like.

```
.text, #text, p{  
    color:rgb(238, 212, 61)  
}
```

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(238, 212, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 212, 61) }
```

Border

The CSS property to change the border of an element to Yxy 65.6010, 0.4286, 0.4713 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(238, 212, 61) }
```

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

```
.border{ border-color:rgb(238, 212, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 212, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 212, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 212, 61);  
box-shadow:4px 4px 4px 4px rgb(238, 212,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6010, 0.4286, 0.4713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 212, 61) }
```

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

```
.background{ background-color: rgb(238,  
212, 61) }
```

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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