

Converting Colors

$Y_{xy}(28.2358, 0.5047, 0.3490)$

Have a look what the booklet for
Yxy(28.2358, 0.5047, 0.3490)
contains.

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Color

Yxy(28.2187, 0.5046, 0.3486)

Conversions

Conversions Part 1

Format	Color
Hex	EB6855
RGB	235, 104, 85
RGB Percent	92%, 41%, 33%
CMY	0.0785, 0.5921, 0.6668
CMYK	0.00, 0.56, 0.64, 0.08
HSL	8°, 79%, 63%
HSV	8°, 64%, 92%
XYZ	40.8467, 28.2187, 11.8833
YIQ	141.0030, 84.1750, 21.8630

Conversions

Conversions Part 2

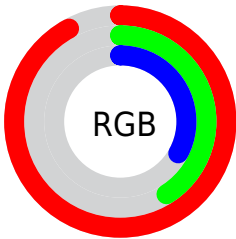
Format	Color
RYB	235, 107, 85
Decimal	15427669
CIELab	60.09, 49.36, 35.61
CIElCh	60, 60.864, 35.802
Yxy	28.2187, 0.5046, 0.3486
Android (android.graphics.Color)	4293617749 (0xFFEB6855)
YUV	141.0030, -27.6095, 82.4354
Hunter-Lab	53.1213, 44.2923, 23.9217

Details

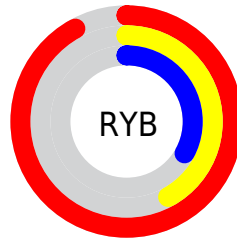
The Yxy color **28.2187, 0.5046, 0.3486** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **57.0085, 0.2307, 0.3039**, and the grayscale version is **26.7248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8055, 0.4300, 0.3544**, and **11.3119, 0.5650, 0.3411** is the 20% darker color. If you saturate the color by 10%, you get **24.2661, 0.5490, 0.3483**, and if you desaturate by 10%, it is **33.3029, 0.4612, 0.3470**.

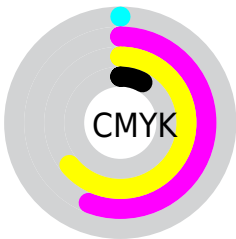
Distribution



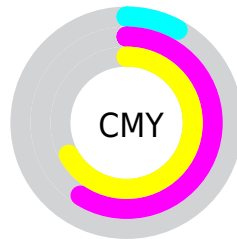
- Red (92%)
- Green (41%)
- Blue (33%)



- Red (92%)
- Yellow (42%)
- Blue (33%)



- Cyan (0%)
- Magenta (56%)
- Yellow (64%)
- Black (8%)





- Cyan (8%)
- Magenta (59%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2187, 0.5046, 0.3486 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 28.2187, 0.5046, 0.3486 by changing the saturation by 10% instead.


 28.2187, 0.5046,
0.3486


 28.2187, 0.5046,
0.3486


293.5105, 0.4014,
0.3458


 18.4906, 0.5314,
0.3461


 56.8334, 0.4660,
0.3497


 11.3028, 0.5656,
0.3408


 76.4888, 0.4518,
0.3495

 6.2709, 0.6099,
0.3297


 100.2221, 0.4399,
0.3490

 3.0105, 0.6848,
0.3152

 128.4176, 0.4298,
0.3484

 1.1372, 0.7391,
0.2609

 161.4598, 0.4212,
0.3477

 0.0095, 0.9926,
0.0074

199.7331, 0.4137,

 0.0000, 1.0000,

0.3471

0.0000

243.6219, 0.4072,
0.3464

■ 0.0000, 0.0000,
0.0000

■ 28.2187, 0.5046,
0.3486

■ 28.2187, 0.5046,
0.3486

■ 24.2661, 0.5490,
0.3483

■ 33.3029, 0.4612,
0.3470

■ 21.3536, 0.5890,
0.3457

■ 39.5917, 0.4220,
0.3441

■ 19.3826, 0.6185,
0.3407

■ 47.1576, 0.3885,
0.3407

■ 18.5798, 0.6306,
0.3375

■ 56.0658, 0.3605,
0.3371

■ 66.3772, 0.3376,
0.3335

■ 78.1489, 0.3189,
0.3302

■ 91.4347, 0.3037,
0.3271

■ 96.3996, 0.3005,
0.3290

Harmonies

Analogous

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



28.2187, 0.4485, 0.2839



28.2187, 0.5046, 0.3486



28.2187, 0.4949, 0.4178

Triad

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



28.2187, 0.5046, 0.3486



28.2187, 0.2566, 0.4710



28.2187, 0.1859, 0.1850

Complementary

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



28.2187, 0.5046, 0.3486



57.0085, 0.2307, 0.3039

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.



28.2187, 0.1534, 0.2046



28.2187, 0.5046, 0.3486



28.2187, 0.1864, 0.3617

Square

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



28.2187, 0.5046, 0.3486



28.2187, 0.3475, 0.5161



28.2187, 0.1525, 0.2617



28.2187, 0.2522, 0.1948

Rectangle

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



28.2187, 0.5046, 0.3486



28.2187, 0.4585, 0.4633



28.2187, 0.1525, 0.2617



28.2187, 0.1715, 0.1880

Sweetspot

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



28.2203, 0.5046, 0.3486



73.1813, 0.3491, 0.3354



29.1880, 0.3379, 0.1969



14.9184, 0.3559, 0.3364



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.



28.2203, 0.5046, 0.3486



27.8476, 0.5638, 0.3477



49.9502, 0.4414, 0.4263



15.3622, 0.3290, 0.3321



10.4420, 0.6288, 0.3389



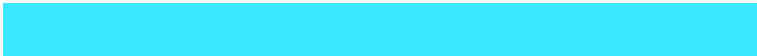
0.9195, 0.6077, 0.3557

Inverse Universe

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



57.0085, 0.2307, 0.3039



64.7725, 0.2214, 0.2978



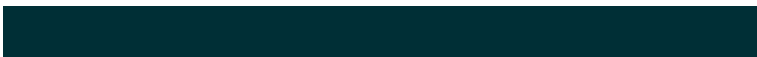
27.4167, 0.2060, 0.1983



16.7765, 0.2981, 0.3259



27.8137, 0.2135, 0.2885



2.2753, 0.2152, 0.2946

Previews

White Background



This preview shows how the Yxy color 28.2187, 0.5046, 0.3486 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2187, 0.5046, 0.3486 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 × Fail

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

Yxy 28.2187, 0.5046, 0.3486

Background



This preview shows how black text looks on a background with the Yxy color 28.2187, 0.5046, 0.3486.



This preview shows how white text looks on a background with the Yxy color 28.2187, 0.5046, 0.3486.

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

28.2187, 0.5046, 0.3486

Protanopia

28.3585, 0.3708, 0.3987

Deuteranopia

28.1920, 0.4230, 0.4137



Tritanopia

28.2229, 0.4789, 0.3222

Trichromacy



Original Color

28.2187, 0.5046, 0.3486

Protanomaly

27.1058, 0.4196, 0.3784

Deuteranomaly

27.6579, 0.4541, 0.3865

Tritanomaly

28.2557, 0.4887, 0.3316

Monochromacy



Original Color

28.2187, 0.5046, 0.3486

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.9328, 0.3778, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2187, 0.5046, 0.3486 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(235, 104, 85)` looks like.

```
.text, #text, p{  
  color:rgb(235, 104, 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(235, 104, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 104, 85) }
```

Border

The CSS property to change the border of an element to Yxy 28.2187, 0.5046, 0.3486 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(235, 104, 85) }
```

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

```
.border{ border-color:rgb(235, 104, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 104, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 104, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 104, 85);  
box-shadow:4px 4px 4px 4px rgb(235, 104,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2187, 0.5046, 0.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 104, 85) }
```

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

```
.background{ background-color: rgb(235,  
104, 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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