

Converting Colors

$Y_{xy}(27.5991, 0.5049, 0.3432)$

Have a look what the booklet for
Yxy(27.5991, 0.5049, 0.3432)
contains.

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Color

Yxy(27.6576, 0.5047, 0.3435)

Conversions

Conversions Part 1

Format	Color
Hex	EB6557
RGB	235, 101, 87
RGB Percent	92%, 40%, 34%
CMY	0.0784, 0.6039, 0.6587
CMYK	0.00, 0.57, 0.63, 0.08
HSL	6°, 79%, 63%
HSV	6°, 63%, 92%
XYZ	40.6369, 27.6576, 12.2225
YIQ	139.4700, 84.3580, 24.0540

Conversions

Conversions Part 2

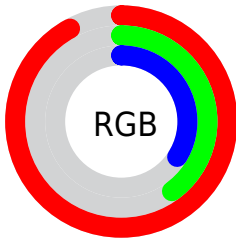
Format	Color
R_{YB}	235, 102, 87
Decimal	15426903
CIE Lab	59.58, 50.90, 33.83
CIE LCh	60, 61.120, 33.606
Yxy	27.6576, 0.5047, 0.3435
Android (android.graphics.Color)	4293616983 (0xFFEB6557)
YUV	139.4700, -25.8677, 83.7798
Hunter-Lab	52.5905, 45.8945, 23.0338

Details

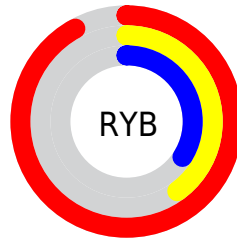
The Yxy color **27.6576, 0.5047, 0.3435** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **59.7622, 0.2329, 0.3107**, and the grayscale version is **26.0890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8431, 0.4297, 0.3492**, and **10.9983, 0.5666, 0.3348** is the 20% darker color. If you saturate the color by 10%, you get **23.7238, 0.5502, 0.3433**, and if you desaturate by 10%, it is **32.7894, 0.4603, 0.3423**.

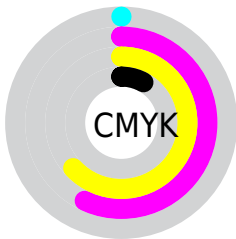
Distribution



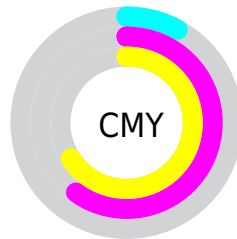
- Red (92%)
- Green (40%)
- Blue (34%)



- Red (92%)
- Yellow (40%)
- Blue (34%)



- Cyan (0%)
- Magenta (57%)
- Yellow (63%)
- Black (8%)



- Cyan (8%)
- Magenta (60%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6576, 0.5047, 0.3435 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 27.6576, 0.5047, 0.3435 by changing the saturation by 10% instead.


 27.6576, 0.5047,
0.3435

 27.6576, 0.5047,
0.3435


290.8272, 0.4010,
0.3431

 18.0677, 0.5319,
0.3405


 55.9373, 0.4657,
0.3455

 10.9986, 0.5668,
0.3345


 75.3959, 0.4514,
0.3455


 6.0659, 0.6123,
0.3227

 98.9129, 0.4395,
0.3453

 2.8852, 0.6919,
0.3081

 126.8727, 0.4294,
0.3450

 1.0721, 0.7480,
0.2520

 159.6596, 0.4207,
0.3446

 0.0000, 1.0000,
0.0000

197.6580, 0.4133,

 0.0000, 0.0000,

0.3441

0.0000

241.2524, 0.4067,
0.3436

■ 27.6576, 0.5047,
0.3435

■ 27.6576, 0.5047,
0.3435

■ 23.7238, 0.5502,
0.3433

■ 32.7894, 0.4603,
0.3423

■ 20.8863, 0.5912,
0.3413

■ 39.2010, 0.4206,
0.3401


■ 19.0342, 0.6210,
0.3375


■ 46.9722, 0.3867,
0.3375


■ 18.2429, 0.6340,
0.3348

■ 56.1751, 0.3588,
0.3348

■ 66.8766, 0.3360,
0.3322

 79.1396, 0.3175,
0.3297

 93.0231, 0.3025,
0.3274

 96.4025, 0.3005,
0.3290

Harmonies

Analogous

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



27.6576, 0.4436, 0.2789



27.6576, 0.5047, 0.3435



27.6576, 0.4993, 0.4131

Triad

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



27.6576, 0.5047, 0.3435



27.6576, 0.2622, 0.4791



27.6576, 0.1813, 0.1842

Complementary

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



27.6576, 0.5047, 0.3435



59.7622, 0.2329, 0.3107

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.



27.6576, 0.1509, 0.2062



27.6576, 0.5047, 0.3435



27.6576, 0.1891, 0.3706

Square

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



27.6576, 0.5047, 0.3435



27.6576, 0.3544, 0.5180



27.6576, 0.1524, 0.2669



27.6576, 0.2455, 0.1921

Rectangle

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



27.6576, 0.5047, 0.3435



27.6576, 0.4645, 0.4594



27.6576, 0.1524, 0.2669



27.6576, 0.1676, 0.1878

Sweetspot

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



27.6591, 0.5047, 0.3435



72.3917, 0.3494, 0.3338



29.7959, 0.3321, 0.1942



14.7317, 0.3563, 0.3345



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.



27.6591, 0.5047, 0.3435



27.2611, 0.5649, 0.3428



48.3739, 0.4433, 0.4205



15.2825, 0.3291, 0.3313



10.2332, 0.6326, 0.3359



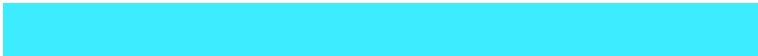
0.8815, 0.6154, 0.3495

Inverse Universe

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



59.7622, 0.2329, 0.3107



68.6226, 0.2240, 0.3063



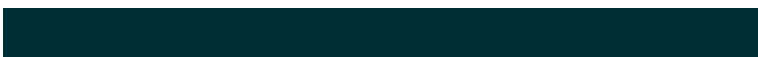
29.4244, 0.2090, 0.2075



16.8647, 0.2981, 0.3267



29.8781, 0.2164, 0.2992



2.4170, 0.2177, 0.3036

Previews

White Background



This preview shows how the Yxy color 27.6576, 0.5047, 0.3435 looks on a white background.

Color Contrast Check

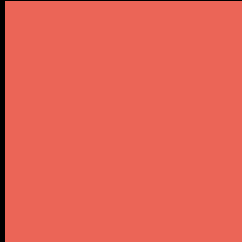
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6576, 0.5047, 0.3435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

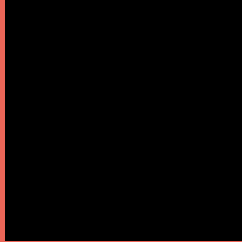
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6576, 0.5047, 0.3435

Background



This preview shows how black text looks on a background with the Yxy color 27.6576, 0.5047, 0.3435.



This preview shows how white text looks on a background with the Yxy color 27.6576, 0.5047, 0.3435.

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

27.6576, 0.5047, 0.3435

Protanopia

27.9146, 0.3660, 0.3931

Deuteranopia

27.7006, 0.4196, 0.4107



Tritanopia

27.5882, 0.4849, 0.3223

Trichromacy



Original Color

27.6576, 0.5047, 0.3435

Protanomaly

26.5105, 0.4164, 0.3718

Deuteranomaly

26.9102, 0.4516, 0.3822

Tritanomaly

27.6384, 0.4934, 0.3306

Monochromacy



Original Color

27.6576, 0.5047, 0.3435

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.0220, 0.3792, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6576, 0.5047, 0.3435 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, 101, 87)` looks like.

```
.text, #text, p{  
    color:rgb(235, 101, 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(235, 101, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 101, 87) }
```

Border

The CSS property to change the border of an element to Yxy 27.6576, 0.5047, 0.3435 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, 101, 87) }
```

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

```
.border{ border-color:rgb(235, 101, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 101, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 101, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 101, 87);  
box-shadow:4px 4px 4px 4px rgb(235, 101,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6576, 0.5047, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 101, 87) }
```

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

```
.background{ background-color: rgb(235,  
101, 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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