

Converting Colors

$Y_{xy}(30.5071, 0.4913, 0.3543)$

Have a look what the booklet for
Yxy(30.5071, 0.4913, 0.3543)
contains.

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Color

Yxy(30.6057, 0.4914, 0.3542)

Conversions

Conversions Part 1

Format	Color
Hex	EC725A
RGB	236, 114, 90
RGB Percent	93%, 45%, 35%
CMY	0.0744, 0.5530, 0.6471
CMYK	0.00, 0.52, 0.62, 0.07
HSL	10°, 79%, 64%
HSV	10°, 62%, 93%
XYZ	42.4609, 30.6057, 13.3414
YIQ	147.7420, 80.4160, 18.4000

Conversions

Conversions Part 2

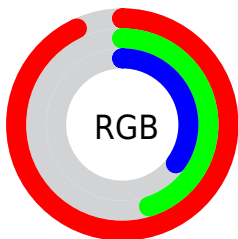
Format	Color
R _Y B	236, 119, 90
Decimal	15495770
CIE Lab	62.17, 45.27, 35.44
CIE LCh	62, 57.497, 38.059
Yxy	30.6057, 0.4914, 0.3542
Android (android.graphics.Color)	4293685850 (0xFFEC725A)
YUV	147.7420, -28.4668, 77.4023
Hunter-Lab	55.3224, 40.1875, 24.4275

Details

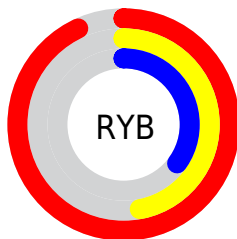
The Yxy color **30.6057, 0.4914, 0.3542** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **55.3340, 0.2307, 0.2974**, and the grayscale version is **29.5965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1884, 0.4195, 0.3576**, and **12.6259, 0.5482, 0.3498** is the 20% darker color. If you saturate the color by 10%, you get **26.2876, 0.5346, 0.3547**, and if you desaturate by 10%, it is **36.0140, 0.4500, 0.3516**.

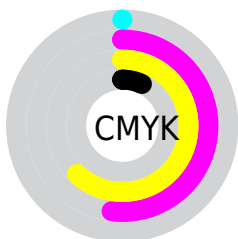
Distribution



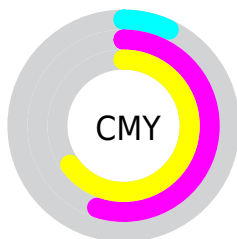
- Red (93%)
- Green (45%)
- Blue (35%)



- Red (93%)
- Yellow (47%)
- Blue (35%)



- Cyan (0%)
- Magenta (52%)
- Yellow (62%)
- Black (7%)




- Cyan (7%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6057, 0.4914, 0.3542 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 30.6057, 0.4914, 0.3542 by changing the saturation by 10% instead.


 30.6057, 0.4914,
0.3542


 30.6057, 0.4914,
0.3542


304.7177, 0.3963,
0.3477

 20.2988, 0.5159,
0.3531


 60.6187, 0.4560,
0.3537


 12.6124, 0.5471,
0.3499


 81.0937, 0.4429,
0.3529

 7.1622, 0.5877,
0.3422


 105.7267, 0.4320,
0.3520

 3.5637, 0.6514,
0.3305

 134.9023, 0.4226,
0.3511

 1.4327, 0.7109,
0.2891

 169.0048, 0.4147,
0.3502

 0.2406, 0.8565,
0.1435

208.4186, 0.4077,

 0.0000, 1.0000,

0.3493

0.0000

253.5281, 0.4017,
0.3485

■ 0.0000, 0.0000,
0.0000

■ 30.6057, 0.4914,
0.3542

■ 30.6057, 0.4914,
0.3542

■ 26.2876, 0.5346,
0.3547

■ 36.0140, 0.4500,
0.3516

■ 22.9799, 0.5752,
0.3523

■ 42.5752, 0.4131,
0.3477

■ 20.5996, 0.6076,
0.3469


■ 50.3529, 0.3816,
0.3431


■ 19.2736, 0.6257,
0.3414

■ 59.4049, 0.3552,
0.3385

■ 69.7850, 0.3335,
0.3340

 81.5439, 0.3157,
0.3298

 94.7161, 0.3012,
0.3261

 96.5771, 0.3011,
0.3290

Harmonies

Analogous

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



30.6057, 0.4435, 0.2921



30.6057, 0.4914, 0.3542



30.6057, 0.4798, 0.4194

Triad

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



30.6057, 0.4914, 0.3542



30.6057, 0.2561, 0.4518



30.6057, 0.1980, 0.1940

Complementary

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



30.6057, 0.4914, 0.3542



55.3340, 0.2307, 0.2974

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.



30.6057, 0.1645, 0.2110



30.6057, 0.4914, 0.3542



30.6057, 0.1920, 0.3519

Square

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



30.6057, 0.4914, 0.3542



30.6057, 0.3405, 0.5000



30.6057, 0.1618, 0.2625



30.6057, 0.2630, 0.2050

Rectangle

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



30.6057, 0.4914, 0.3542



30.6057, 0.4451, 0.4603



30.6057, 0.1618, 0.2625



30.6057, 0.1834, 0.1963

Sweetspot

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



30.6073, 0.4914, 0.3542



74.0949, 0.3487, 0.3372



30.0100, 0.3423, 0.2038



15.1348, 0.3554, 0.3385



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.



30.6073, 0.4914, 0.3542



30.2625, 0.5450, 0.3544



53.2374, 0.4332, 0.4289



15.4538, 0.3289, 0.3329



10.7456, 0.6235, 0.3431



0.9629, 0.5993, 0.3623

Inverse Universe

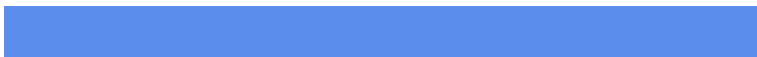
The Inverse Universe completely reimagines the original color for something new.



55.3340, 0.2307, 0.2974



61.6981, 0.2208, 0.2901



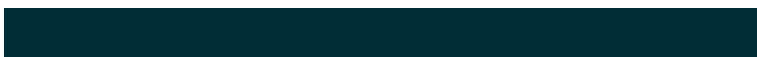
27.3122, 0.2074, 0.1960



16.6760, 0.2981, 0.3250



25.5692, 0.2100, 0.2759



2.1200, 0.2122, 0.2840

Previews

White Background



This preview shows how the Yxy color 30.6057, 0.4914, 0.3542 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 30.6057, 0.4914, 0.3542 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 30.6057, 0.4914, 0.3542

Background



This preview shows how black text looks on a background with the Yxy color 30.6057, 0.4914, 0.3542.



This preview shows how white text looks on a background with the Yxy color 30.6057, 0.4914, 0.3542.

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

30.6057, 0.4914, 0.3542

Protanopia

30.9192, 0.3716, 0.4008

Deuteranopia

30.7770, 0.4190, 0.4115



Tritanopia

30.6370, 0.4620, 0.3209

Trichromacy



Original Color

30.6057, 0.4914, 0.3542

Protanomaly

30.0250, 0.4151, 0.3826

Deuteranomaly

30.1435, 0.4469, 0.3883

Tritanomaly

30.4561, 0.4731, 0.3327

Monochromacy



Original Color

30.6057, 0.4914, 0.3542

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.8439, 0.3732, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6057, 0.4914, 0.3542 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(236, 114, 90)` looks like.

```
.text, #text, p{  
    color:rgb(236, 114, 90)  
}
```

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(236, 114, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 114, 90) }
```

Border

The CSS property to change the border of an element to Yxy 30.6057, 0.4914, 0.3542 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(236, 114, 90) }
```

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

```
.border{ border-color:rgb(236, 114, 90) }
```

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

Here you see how a box with a 4 pixel rgb(236, 114, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 114, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 114, 90);  
box-shadow:4px 4px 4px 4px rgb(236, 114,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6057, 0.4914, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 114, 90) }
```

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

```
.background{ background-color: rgb(236,  
114, 90) }
```

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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