

Converting Colors

$Y_{xy}(24.5250, 0.5633, 0.3575)$

Have a look what the booklet for
Yxy(24.5250, 0.5633, 0.3575)
contains.

Yxy(24.5504, 0.5632, 0.3581)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.5504, 0.5632, 0.3581)

Conversions

Conversions Part 1

Format	Color
Hex	ED542F
RGB	237, 84, 47
RGB Percent	93%, 33%, 18%
CMY	0.0705, 0.6706, 0.8156
CMYK	0.00, 0.65, 0.80, 0.07
HSL	12°, 84%, 56%
HSV	12°, 80%, 93%
XYZ	38.6115, 24.5504, 5.3955
YIQ	125.5290, 103.0650, 20.9290

Conversions

Conversions Part 2

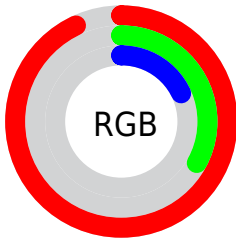
Format	Color
R _Y B	237, 93, 47
Decimal	15553583
CIE Lab	56.63, 57.23, 51.77
CIE LCh	57, 77.170, 42.135
Yxy	24.5504, 0.5632, 0.3581
Android (android.graphics.Color)	4293743663 (0xFFED542F)
YUV	125.5290, -38.7148, 97.7601
Hunter-Lab	49.5484, 52.3900, 28.2276

Details

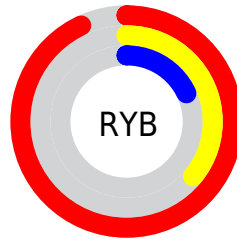
The Yxy color **24.5504, 0.5632, 0.3581** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **48.0462, 0.2151, 0.2783**, and the grayscale version is **20.8043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8607, 0.4804, 0.3723**, and **9.3500, 0.6305, 0.3375** is the 20% darker color. If you saturate the color by 10%, you get **21.8395, 0.5972, 0.3528**, and if you desaturate by 10%, it is **28.1752, 0.5226, 0.3599**.

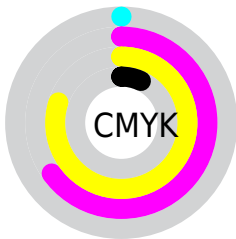
Distribution



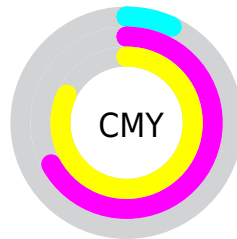
- Red (93%)
- Green (33%)
- Blue (18%)



- Red (93%)
- Yellow (36%)
- Blue (18%)



- Cyan (0%)
- Magenta (65%)
- Yellow (80%)
- Black (7%)





- Cyan (7%)
- Magenta (67%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5504, 0.5632, 0.3581 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 24.5504, 0.5632, 0.3581 by changing the saturation by 10% instead.


 24.5504, 0.5632,
0.3581


 24.5504, 0.5632,
0.3581


275.5914, 0.4306,
0.3580

 15.7424, 0.5946,
0.3514


 50.9269, 0.5153,
0.3628


 9.3421, 0.6323,
0.3388


 69.2642, 0.4970,
0.3630

 4.9650, 0.6819,
0.3181

 91.5467, 0.4815,
0.3627

 2.2267, 0.7258,
0.2742

 118.1588, 0.4683,
0.3620

 0.7345, 0.7934,
0.2066

 149.4850, 0.4569,
0.3611

 0.0000, 1.0000,
0.0000

 185.9095, 0.4470,

 0.0000, 0.0000,

0.3601

0.0000

227.8169, 0.4383,
0.3591

■ 24.5504, 0.5632,
0.3581

■ 24.5504, 0.5632,
0.3581

■ 21.8395, 0.5972,
0.3528

■ 28.1752, 0.5226,
0.3599


■ 19.9699, 0.6208,
0.3452


■ 32.7840, 0.4807,
0.3585

■ 38.4447, 0.4411,
0.3550

■ 45.2178, 0.4060,
0.3502

■ 53.1591, 0.3760,
0.3448

 62.3208, 0.3509,
0.3393

 72.7516, 0.3301,
0.3340

 84.4977, 0.3130,
0.3291

 96.7462, 0.3017,
0.3290

Harmonies

Analogous

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



24.5504, 0.5139, 0.2829



24.5504, 0.5632, 0.3581



24.5504, 0.5234, 0.4425

Triad

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



24.5504, 0.5632, 0.3581



24.5504, 0.2124, 0.4983



24.5504, 0.1679, 0.1518

Complementary

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



24.5504, 0.5632, 0.3581



48.0462, 0.2151, 0.2783

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.



24.5504, 0.1231, 0.1640



24.5504, 0.5632, 0.3581



24.5504, 0.1392, 0.3350

Square

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



24.5504, 0.5632, 0.3581



24.5504, 0.3200, 0.5790



24.5504, 0.1129, 0.2177



24.5504, 0.2562, 0.1703

Rectangle

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



24.5504, 0.5632, 0.3581



24.5504, 0.4655, 0.5035



24.5504, 0.1129, 0.2177



24.5504, 0.1487, 0.1522

Sweetspot

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



24.5518, 0.5632, 0.3581



69.1491, 0.3602, 0.3414



24.3140, 0.3610, 0.1882



13.9808, 0.3693, 0.3434



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.



24.5518, 0.5632, 0.3581



24.2923, 0.6130, 0.3479



49.5960, 0.4636, 0.4496



15.5285, 0.3288, 0.3337



11.0456, 0.6184, 0.3472



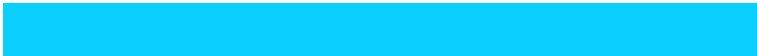
0.9981, 0.5929, 0.3675

Inverse Universe

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



48.0462, 0.2151, 0.2783



52.0866, 0.2079, 0.2669



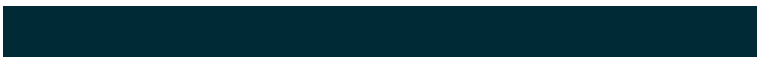
17.2743, 0.1792, 0.1424



16.5947, 0.2981, 0.3243



23.8396, 0.2071, 0.2655



1.9993, 0.2098, 0.2752

Previews

White Background



This preview shows how the Yxy color 24.5504, 0.5632, 0.3581 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 24.5504, 0.5632, 0.3581 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 24.5504, 0.5632, 0.3581

Background



This preview shows how black text looks on a background with the Yxy color 24.5504, 0.5632, 0.3581.



This preview shows how white text looks on a background with the Yxy color 24.5504, 0.5632, 0.3581.

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

24.5504, 0.5632, 0.3581

Protanopia

24.5354, 0.4073, 0.4454

Deuteranopia

24.4682, 0.4595, 0.4511



Tritanopia

24.5546, 0.5275, 0.3260

Trichromacy



Original Color

24.5504, 0.5632, 0.3581

Protanomaly

22.9631, 0.4690, 0.4081

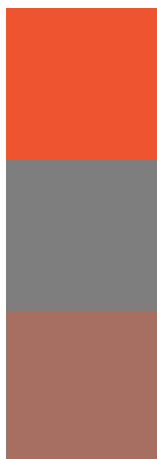
Deuteranomaly

23.5523, 0.5030, 0.4119

Tritanomaly

24.5169, 0.5428, 0.3383

Monochromacy



Original Color

24.5504, 0.5632, 0.3581

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.3389, 0.4070, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5504, 0.5632, 0.3581 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(237, 84, 47)` looks like.

```
.text, #text, p{  
    color:rgb(237, 84, 47)  
}
```

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(237, 84, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 84, 47) }
```

Border

The CSS property to change the border of an element to Yxy 24.5504, 0.5632, 0.3581 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(237, 84, 47) }
```

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

```
.border{ border-color:rgb(237, 84, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 84, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 84, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 84, 47);  
box-shadow:4px 4px 4px 4px rgb(237, 84,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5504, 0.5632, 0.3581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 84, 47) }
```

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

```
.background{ background-color: rgb(237, 84,  
47) }
```

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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