

Converting Colors

$Y_{xy}(24.9281, 0.5497, 0.3696)$

Have a look what the booklet for
Yxy(24.9281, 0.5497, 0.3696)
contains.

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Color

Yxy(24.8490, 0.5502, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	E65D2E
RGB	230, 93, 46
RGB Percent	90%, 36%, 18%
CMY	0.0980, 0.6353, 0.8194
CMYK	0.00, 0.60, 0.80, 0.10
HSL	15°, 79%, 54%
HSV	15°, 80%, 90%
XYZ	37.0412, 24.8490, 5.4330
YIQ	128.6050, 96.7390, 14.4270

Conversions

Conversions Part 2

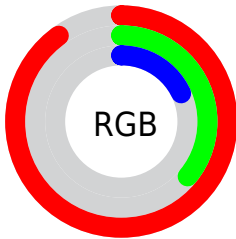
Format	Color
R_{YB}	230, 109, 46
Decimal	15097134
CIE _{Lab}	56.93, 50.87, 52.11
CIE _{LCh}	57, 72.824, 45.687
Yxy	24.8490, 0.5502, 0.3691
Android (android.graphics.Color)	4293287214 (0xFFE65D2E)
YUV	128.6050, -40.7243, 88.9234
Hunter-Lab	49.8488, 45.4030, 28.4322

Details

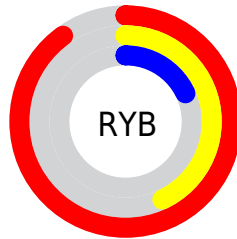
The Yxy color **24.8490, 0.5502, 0.3691** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **40.1758, 0.2108, 0.2618**, and the grayscale version is **21.9300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9720, 0.4748, 0.3793**, and **9.5386, 0.6124, 0.3519** is the 20% darker color. If you saturate the color by 10%, you get **22.0372, 0.5835, 0.3636**, and if you desaturate by 10%, it is **28.4341, 0.5118, 0.3703**.

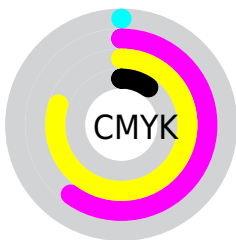
Distribution



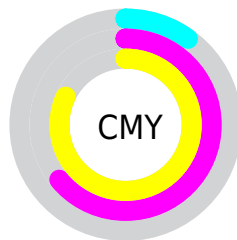
- Red (90%)
- Green (36%)
- Blue (18%)



- Red (90%)
- Yellow (43%)
- Blue (18%)



- Cyan (0%)
- Magenta (60%)
- Yellow (80%)
- Black (10%)





- Cyan (10%)
- Magenta (64%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8490, 0.5502, 0.3691 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 24.8490, 0.5502, 0.3691 by changing the saturation by 10% instead.


 24.8490, 0.5502,
0.3691

 24.8490, 0.5502,
0.3691


277.0851, 0.4247,
0.3622


 15.9646, 0.5800,
0.3643


 51.4122, 0.5048,
0.3710


 9.4991, 0.6157,
0.3541


 69.8597, 0.4875,
0.3704


 5.0681, 0.6633,
0.3367

 92.2637, 0.4729,
0.3692

 2.2873, 0.7044,
0.2956

 119.0086, 0.4603,
0.3679

 0.7670, 0.7688,
0.2312

 150.4788, 0.4495,
0.3664

 0.0000, 1.0000,
0.0000

 187.0587, 0.4401,

 0.0000, 0.0000,

0.3650

0.0000

229.1327, 0.4319,
0.3636

■ 24.8490, 0.5502,
0.3691

■ 24.8490, 0.5502,
0.3691

■ 22.0372, 0.5835,
0.3636

■ 28.4341, 0.5118,
0.3703

■ 19.9254, 0.6087,
0.3548

■ 32.8431, 0.4725,
0.3679


■ 19.9221, 0.6088,
0.3548


■ 38.1268, 0.4355,
0.3629


■ 44.3305, 0.4025,
0.3564

■ 51.4963, 0.3740,
0.3494

 59.6635, 0.3498,
0.3423

 68.8693, 0.3296,
0.3354

 79.1489, 0.3127,
0.3290

 90.5357, 0.2986,
0.3231

Harmonies

Analogous

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



24.8490, 0.5126, 0.2948



24.8490, 0.5502, 0.3691



24.8490, 0.5071, 0.4514

Triad

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



24.8490, 0.5502, 0.3691



24.8490, 0.2083, 0.4699



24.8490, 0.1823, 0.1599

Complementary

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



24.8490, 0.5502, 0.3691



40.1758, 0.2108, 0.2618

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.



24.8490, 0.1341, 0.1684



24.8490, 0.5502, 0.3691



24.8490, 0.1424, 0.3194

Square

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



24.8490, 0.5502, 0.3691



24.8490, 0.3097, 0.5613



24.8490, 0.1206, 0.2155



24.8490, 0.2726, 0.1811

Rectangle

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



24.8490, 0.5502, 0.3691



24.8490, 0.4502, 0.5078



24.8490, 0.1206, 0.2155



24.8490, 0.1620, 0.1592

Sweetspot

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



24.8504, 0.5502, 0.3691



70.9557, 0.3593, 0.3452



22.2412, 0.3776, 0.1987



14.4053, 0.3681, 0.3478



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.



24.8504, 0.5502, 0.3691



26.0080, 0.6007, 0.3578



51.3055, 0.4512, 0.4605



14.9630, 0.3286, 0.3351



11.4450, 0.6061, 0.3569



0.9922, 0.5775, 0.3796

Inverse Universe

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



40.1758, 0.2108, 0.2618



45.2055, 0.2021, 0.2461



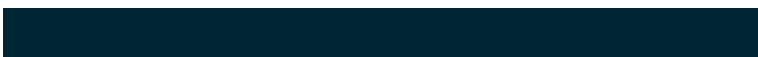
13.9546, 0.1753, 0.1272



15.6806, 0.2981, 0.3229



19.9898, 0.2012, 0.2443



1.6239, 0.2050, 0.2581

Previews

White Background



This preview shows how the Yxy color 24.8490, 0.5502, 0.3691 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 24.8490, 0.5502, 0.3691 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 24.8490, 0.5502, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 24.8490, 0.5502, 0.3691.



This preview shows how white text looks on a background with the Yxy color 24.8490, 0.5502, 0.3691.

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

24.8490, 0.5502, 0.3691

Protanopia

24.8722, 0.4109, 0.4511

Deuteranopia

24.8514, 0.4588, 0.4509



Tritanopia

24.9256, 0.5045, 0.3246

Trichromacy



Original Color

24.8490, 0.5502, 0.3691

Protanomaly

23.6444, 0.4648, 0.4175

Deuteranomaly

24.2000, 0.4958, 0.4180

Tritanomaly

24.8231, 0.5239, 0.3430

Monochromacy



Original Color

24.8490, 0.5502, 0.3691

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.4986, 0.4011, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8490, 0.5502, 0.3691 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(230, 93, 46)` looks like.

```
.text, #text, p{  
    color:rgb(230, 93, 46)  
}
```

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(230, 93, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 93, 46) }
```

Border

The CSS property to change the border of an element to Yxy 24.8490, 0.5502, 0.3691 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(230, 93, 46) }
```

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

```
.border{ border-color:rgb(230, 93, 46) }
```

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

Here you see how a box with a 4 pixel rgb(230, 93, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 93, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 93, 46);  
box-shadow:4px 4px 4px 4px rgb(230, 93,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8490, 0.5502, 0.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 93, 46) }
```

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

```
.background{ background-color: rgb(230, 93,  
46) }
```

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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