

Converting Colors

$Y_{xy}(22.2979, 0.5702, 0.3561)$

Have a look what the booklet for
Yxy(22.2979, 0.5702, 0.3561)
contains.

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Color

$\text{Yxy}(22.2979, 0.5702, 0.3561)$

Conversions

Conversions Part 1

Format	Color
Hex	E64D2A
RGB	230, 77, 42
RGB Percent	90%, 30%, 16%
CMY	0.0981, 0.6980, 0.8352
CMYK	0.00, 0.67, 0.82, 0.10
HSL	11°, 79%, 53%
HSV	11°, 82%, 90%
XYZ	35.7042, 22.2979, 4.6149
YIQ	118.7570, 102.4230, 21.5510

Conversions

Conversions Part 2

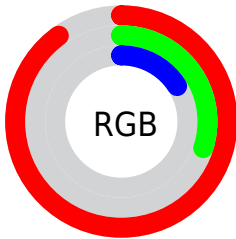
Format	Color
R_{YB}	230, 85, 42
Decimal	15093034
CIE _{Lab}	54.34, 57.57, 51.55
CIE _{LCh}	54, 77.277, 41.839
Yxy	22.2979, 0.5702, 0.3561
Android (android.graphics.Color)	4293283114 (0xFFE64D2A)
YUV	118.7570, -37.8412, 97.5601
Hunter-Lab	47.2207, 52.3302, 27.2601

Details

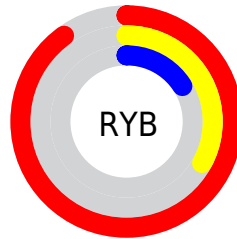
The Yxy color **22.2979, 0.5702, 0.3561** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **45.2386, 0.2149, 0.2797**, and the grayscale version is **18.4673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7904, 0.4907, 0.3695**, and **8.1721, 0.6386, 0.3312** is the 20% darker color. If you saturate the color by 10%, you get **19.9253, 0.6028, 0.3504**, and if you desaturate by 10%, it is **25.5211, 0.5301, 0.3584**.

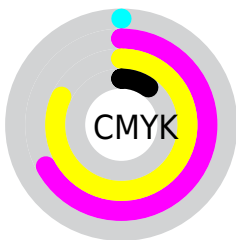
Distribution



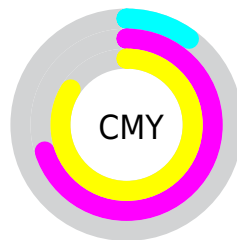
- Red (90%)
- Green (30%)
- Blue (16%)



- Red (90%)
- Yellow (33%)
- Blue (16%)



- Cyan (0%)
- Magenta (67%)
- Yellow (82%)
- Black (10%)





- Cyan (10%)
- Magenta (70%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2979, 0.5702, 0.3561 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 22.2979, 0.5702, 0.3561 by changing the saturation by 10% instead.


 22.2979, 0.5702,
0.3561

 22.2979, 0.5702,
0.3561


264.0981, 0.4324,
0.3578


 14.0760, 0.6031,
0.3482


 47.2379, 0.5201,
0.3619

 8.1735, 0.6438,
0.3343


 64.7247, 0.5011,
0.3624


 4.2062, 0.6915,
0.3085

 86.0686, 0.4850,
0.3622

 1.7896, 0.7395,
0.2605

 111.6539, 0.4713,
0.3616

 0.4806, 0.8290,
0.1710

 141.8652, 0.4595,
0.3608

 0.0000, 1.0000,
0.0000

 177.0867, 0.4492,

 0.0000, 0.0000,

0.3598

0.0000

217.7028, 0.4403,
0.3588

■ 22.2979, 0.5702,
0.3561

■ 22.2979, 0.5702,
0.3561

■ 19.9253, 0.6028,
0.3504

■ 25.5211, 0.5301,
0.3584


■ 18.5362, 0.6220,
0.3443

■ 29.6637, 0.4878,
0.3576

■ 34.7918, 0.4474,
0.3545

■ 40.9640, 0.4114,
0.3500

■ 48.2344, 0.3804,
0.3449

 56.6532, 0.3545,
0.3396

 66.2675, 0.3331,
0.3346

 77.1218, 0.3154,
0.3298

 89.2582, 0.3009,
0.3254

Harmonies

Analogous

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



22.2979, 0.5194, 0.2802



22.2979, 0.5702, 0.3561



22.2979, 0.5284, 0.4420

Triad

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



22.2979, 0.5702, 0.3561



22.2979, 0.2095, 0.5066



22.2979, 0.1636, 0.1478

Complementary

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



22.2979, 0.5702, 0.3561



45.2386, 0.2149, 0.2797

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.



22.2979, 0.1187, 0.1601



22.2979, 0.5702, 0.3561



22.2979, 0.1350, 0.3360

Square

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



22.2979, 0.5702, 0.3561



22.2979, 0.3194, 0.5878



22.2979, 0.1085, 0.2148



22.2979, 0.2531, 0.1663

Rectangle

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



22.2979, 0.5702, 0.3561



22.2979, 0.4685, 0.5052



22.2979, 0.1085, 0.2148



22.2979, 0.1443, 0.1482

Sweetspot

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



22.2992, 0.5702, 0.3561



67.7995, 0.3629, 0.3414



22.4442, 0.3620, 0.1873



13.7094, 0.3720, 0.3433



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.



22.2992, 0.5702, 0.3561



23.6931, 0.6188, 0.3451



45.9159, 0.4659, 0.4502



14.7998, 0.3288, 0.3334



10.6245, 0.6198, 0.3461



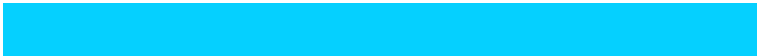
0.9099, 0.5929, 0.3674

Inverse Universe

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



45.2386, 0.2149, 0.2797



52.6008, 0.2081, 0.2684



15.6200, 0.1775, 0.1390



15.8562, 0.2981, 0.3245



23.5691, 0.2079, 0.2685



1.8602, 0.2106, 0.2783

Previews

White Background



This preview shows how the Yxy color 22.2979, 0.5702, 0.3561 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 22.2979, 0.5702, 0.3561 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 22.2979, 0.5702, 0.3561

Background



This preview shows how black text looks on a background with the Yxy color 22.2979, 0.5702, 0.3561.



This preview shows how white text looks on a background with the Yxy color 22.2979, 0.5702, 0.3561.

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

22.2979, 0.5702, 0.3561

Protanopia

22.5379, 0.4097, 0.4503

Deuteranopia

22.3869, 0.4611, 0.4544



Tritanopia

22.2898, 0.5365, 0.3261

Trichromacy



Original Color

22.2979, 0.5702, 0.3561

Protanomaly

20.8380, 0.4751, 0.4094

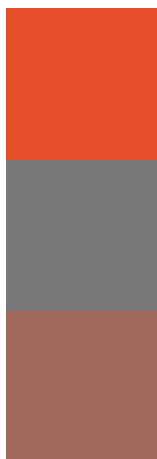
Deuteranomaly

21.3110, 0.5082, 0.4125

Tritanomaly

22.2566, 0.5520, 0.3382

Monochromacy



Original Color

22.2979, 0.5702, 0.3561

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.0269, 0.4110, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2979, 0.5702, 0.3561 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, 77, 42)` looks like.

```
.text, #text, p{  
    color:rgb(230, 77, 42)  
}
```

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, 77, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 77, 42) }
```

Border

The CSS property to change the border of an element to Yxy 22.2979, 0.5702, 0.3561 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, 77, 42) }
```

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

```
.border{ border-color:rgb(230, 77, 42) }
```

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

Here you see how a box with a 4 pixel rgb(230, 77, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 77, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 77, 42);  
box-shadow:4px 4px 4px 4px rgb(230, 77,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2979, 0.5702, 0.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 77, 42) }
```

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

```
.background{ background-color: rgb(230, 77,  
42) }
```

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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