

Converting Colors

$Y_{xy}(22.1320, 0.5558, 0.3529)$

Have a look what the booklet for
Yxy(22.1320, 0.5558, 0.3529)
contains.

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Color

Yxy(22.1540, 0.5559, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	E25034
RGB	226, 80, 52
RGB Percent	89%, 31%, 20%
CMY	0.1138, 0.6862, 0.7962
CMYK	0.00, 0.65, 0.77, 0.11
HSL	10°, 75%, 55%
HSV	10°, 77%, 89%
XYZ	34.8484, 22.1540, 5.6858
YIQ	120.4620, 96.0040, 22.2440

Conversions

Conversions Part 2

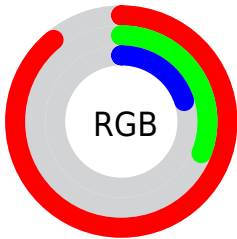
Format	Color
R_{YB}	226, 85, 52
Decimal	14831668
CIE _{Lab}	54.19, 55.32, 46.26
CIE _{LCh}	54, 72.115, 39.904
Yxy	22.1540, 0.5559, 0.3534
Android (android.graphics.Color)	4293021748 (0xFFE25034)
YUV	120.4620, -33.7518, 92.5568
Hunter-Lab	47.0680, 49.7892, 25.7854

Details

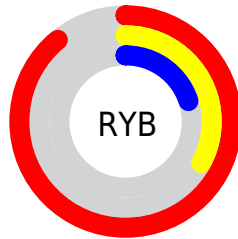
The Yxy color **22.1540, 0.5559, 0.3534** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **46.5779, 0.2194, 0.2894**, and the grayscale version is **19.0284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5275, 0.4795, 0.3627**, and **8.1369, 0.6292, 0.3347** is the 20% darker color. If you saturate the color by 10%, you get **19.6019, 0.5931, 0.3495**, and if you desaturate by 10%, it is **25.5890, 0.5133, 0.3543**.

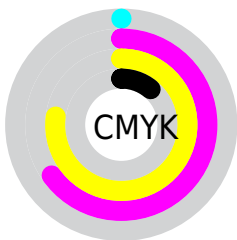
Distribution



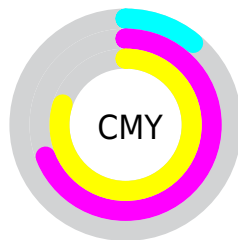
- Red (89%)
- Green (31%)
- Blue (20%)



- Red (89%)
- Yellow (33%)
- Blue (20%)



- Cyan (0%)
- Magenta (65%)
- Yellow (77%)
- Black (11%)





- Cyan (11%)
- Magenta (69%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1540, 0.5559, 0.3534 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 22.1540, 0.5559, 0.3534 by changing the saturation by 10% instead.


 22.1540, 0.5559,
0.3534


 22.1540, 0.5559,
0.3534


263.3494, 0.4238,
0.3539


 13.9701, 0.5888,
0.3469


 47.0004, 0.5070,
0.3579

 8.0999, 0.6291,
0.3343


 64.4317, 0.4887,
0.3582


 4.1589, 0.6858,
0.3142

 85.7142, 0.4734,
0.3579

 1.7629, 0.7334,
0.2666

 111.2324, 0.4604,
0.3573

 0.4639, 0.8254,
0.1746

 141.3706, 0.4493,
0.3565

 0.0000, 1.0000,
0.0000

 176.5133, 0.4396,

 0.0000, 0.0000,

0.3556

0.0000

217.0447, 0.4312,
0.3548

■ 22.1540, 0.5559,
0.3534

■ 22.1540, 0.5559,
0.3534

■ 19.6019, 0.5931,
0.3495

■ 25.5890, 0.5133,
0.3543

■ 17.8451, 0.6196,
0.3431


■ 29.9751, 0.4705,
0.3526

■ 17.4538, 0.6258,
0.3413

■ 35.3782, 0.4312,
0.3493

■ 41.8572, 0.3969,
0.3452

■ 49.4663, 0.3680,
0.3406

 58.2561, 0.3440,
0.3361

 68.2742, 0.3243,
0.3318

 79.5654, 0.3082,
0.3278

 92.1487, 0.2951,
0.3246

Harmonies

Analogous

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



22.1540, 0.5003, 0.2796



22.1540, 0.5559, 0.3534



22.1540, 0.5241, 0.4354

Triad

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



22.1540, 0.5559, 0.3534



22.1540, 0.2231, 0.5020



22.1540, 0.1669, 0.1557

Complementary

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



22.1540, 0.5559, 0.3534



46.5779, 0.2194, 0.2894

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.



22.1540, 0.1254, 0.1705



22.1540, 0.5559, 0.3534



22.1540, 0.1476, 0.3466

Square

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



22.1540, 0.5559, 0.3534



22.1540, 0.3298, 0.5708



22.1540, 0.1180, 0.2276



22.1540, 0.2500, 0.1717

Rectangle

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



22.1540, 0.5559, 0.3534



22.1540, 0.4703, 0.4942



22.1540, 0.1180, 0.2276



22.1540, 0.1489, 0.1569

Sweetspot

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



22.1553, 0.5559, 0.3534



69.3098, 0.3582, 0.3389



22.7849, 0.3510, 0.1860



13.9720, 0.3674, 0.3405



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.



22.1553, 0.5559, 0.3534



24.3599, 0.6095, 0.3461



43.3537, 0.4637, 0.4423



14.0556, 0.3288, 0.3328



10.0721, 0.6237, 0.3430



0.8089, 0.5968, 0.3643

Inverse Universe

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



46.5779, 0.2194, 0.2894



57.0935, 0.2122, 0.2803



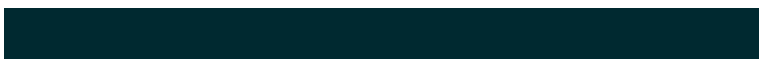
18.0034, 0.1856, 0.1588



15.1764, 0.2982, 0.3251



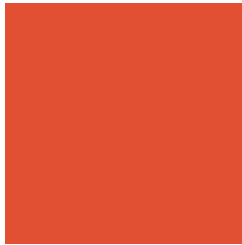
24.1833, 0.2103, 0.2770



1.7782, 0.2128, 0.2859

Previews

White Background



This preview shows how the Yxy color 22.1540, 0.5559, 0.3534 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 22.1540, 0.5559, 0.3534 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 22.1540, 0.5559, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 22.1540, 0.5559, 0.3534.



This preview shows how white text looks on a background with the Yxy color 22.1540, 0.5559, 0.3534.

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

22.1540, 0.5559, 0.3534

Protanopia

22.2998, 0.3993, 0.4344

Deuteranopia

22.3619, 0.4516, 0.4446



Tritanopia

22.0939, 0.5257, 0.3249

Trichromacy



Original Color

22.1540, 0.5559, 0.3534

Protanomaly

20.9348, 0.4605, 0.3997

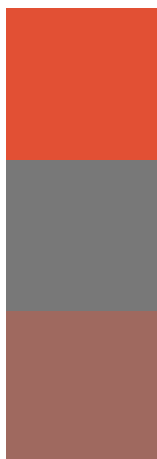
Deuteranomaly

21.3537, 0.4953, 0.4054

Tritanomaly

22.0808, 0.5393, 0.3360

Monochromacy



Original Color

22.1540, 0.5559, 0.3534

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.3003, 0.4045, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1540, 0.5559, 0.3534 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(226, 80, 52)` looks like.

```
.text, #text, p{  
    color:rgb(226, 80, 52)  
}
```

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(226, 80, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 80, 52) }
```

Border

The CSS property to change the border of an element to Yxy 22.1540, 0.5559, 0.3534 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(226, 80, 52) }
```

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

```
.border{ border-color:rgb(226, 80, 52) }
```

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

Here you see how a box with a 4 pixel rgb(226, 80, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 80, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 80, 52);  
box-shadow:4px 4px 4px 4px rgb(226, 80,  
52) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.1540, 0.5559, 0.3534$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 80, 52) }
```

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

```
.background{ background-color: rgb(226, 80,  
52) }
```

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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