

Converting Colors

$Y_{xy}(21.6783, 0.5566, 0.3535)$

Have a look what the booklet for
Yxy(21.6783, 0.5566, 0.3535)
contains.

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Color

Yxy(21.6783, 0.5566, 0.3535)

Conversions

Conversions Part 1

Format	Color
Hex	E04F33
RGB	224, 79, 51
RGB Percent	88%, 31%, 20%
CMY	0.1216, 0.6901, 0.8001
CMYK	0.00, 0.65, 0.77, 0.12
HSL	10°, 74%, 54%
HSV	10°, 77%, 88%
XYZ	34.1334, 21.6783, 5.5131
YIQ	119.1630, 95.4080, 22.0320

Conversions

Conversions Part 2

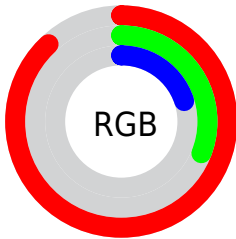
Format	Color
R_{YB}	224, 84, 51
Decimal	14700339
CIE _{Lab}	53.68, 55.04, 46.15
CIE _{LCh}	54, 71.829, 39.983
Yxy	21.6783, 0.5566, 0.3535
Android (android.graphics.Color)	4292890419 (0xFFE04F33)
YUV	119.1630, -33.6044, 91.9420
Hunter-Lab	46.5600, 49.3794, 25.5715

Details

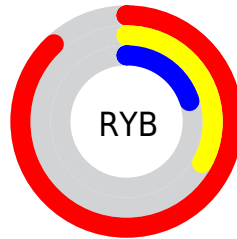
The Yxy color **21.6783, 0.5566, 0.3535** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **45.5430, 0.2192, 0.2890**, and the grayscale version is **18.5886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2110, 0.4823, 0.3635**, and **7.8715, 0.6309, 0.3342** is the 20% darker color. If you saturate the color by 10%, you get **19.1910, 0.5936, 0.3496**, and if you desaturate by 10%, it is **25.0275, 0.5141, 0.3544**.

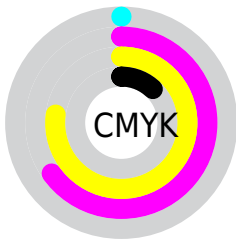
Distribution



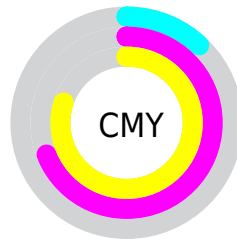
- Red (88%)
- Green (31%)
- Blue (20%)



- Red (88%)
- Yellow (33%)
- Blue (20%)



- Cyan (0%)
- Magenta (65%)
- Yellow (77%)
- Black (12%)





- Cyan (12%)
- Magenta (69%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6783, 0.5566, 0.3535 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 21.6783, 0.5566, 0.3535 by changing the saturation by 10% instead.


 21.6783, 0.5566,
0.3535


 21.6783, 0.5566,
0.3535


260.8616, 0.4238,
0.3540


 13.6207, 0.5898,
0.3469


 46.2137, 0.5074,
0.3581

 7.8573, 0.6305,
0.3340


 63.4603, 0.4890,
0.3583


 4.0038, 0.6870,
0.3130

 84.5388, 0.4735,
0.3581

 1.6757, 0.7355,
0.2645

 109.8334, 0.4605,
0.3574

 0.4078, 0.8361,
0.1639

 139.7286, 0.4493,
0.3566

 0.0000, 1.0000,
0.0000

 174.6088, 0.4396,

 0.0000, 0.0000,

0.3558

0.0000

214.8583, 0.4312,
0.3549

■ 21.6783, 0.5566,
0.3535

■ 21.6783, 0.5566,
0.3535

■ 19.1910, 0.5936,
0.3496

■ 25.0275, 0.5141,
0.3544

■ 17.4795, 0.6199,
0.3431


■ 29.3054, 0.4714,
0.3528

■ 17.1276, 0.6256,
0.3415


■ 34.5763, 0.4320,
0.3495

■ 40.8977, 0.3976,
0.3453

■ 48.3228, 0.3686,
0.3408

 56.9009, 0.3446,
0.3363

 66.6786, 0.3248,
0.3319

 77.6996, 0.3086,
0.3279

 90.0056, 0.2952,
0.3243

Harmonies

Analogous

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



21.6783, 0.5012, 0.2796



21.6783, 0.5566, 0.3535



21.6783, 0.5244, 0.4357

Triad

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



21.6783, 0.5566, 0.3535



21.6783, 0.2225, 0.5023



21.6783, 0.1667, 0.1553

Complementary

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



21.6783, 0.5566, 0.3535



45.5430, 0.2192, 0.2890

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.



21.6783, 0.1250, 0.1700



21.6783, 0.5566, 0.3535



21.6783, 0.1470, 0.3462

Square

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



21.6783, 0.5566, 0.3535



21.6783, 0.3294, 0.5716



21.6783, 0.1176, 0.2270



21.6783, 0.2501, 0.1714

Rectangle

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



21.6783, 0.5566, 0.3535



21.6783, 0.4703, 0.4947



21.6783, 0.1176, 0.2270



21.6783, 0.1487, 0.1564

Sweetspot

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



21.6796, 0.5566, 0.3535



69.3350, 0.3582, 0.3389



22.2910, 0.3512, 0.1858



13.9779, 0.3674, 0.3406



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.



21.6796, 0.5566, 0.3535



24.1597, 0.6119, 0.3456



42.4358, 0.4641, 0.4424



14.0576, 0.3288, 0.3329



10.0796, 0.6236, 0.3431



0.8099, 0.5966, 0.3645

Inverse Universe

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



45.5430, 0.2192, 0.2890



56.7467, 0.2118, 0.2795



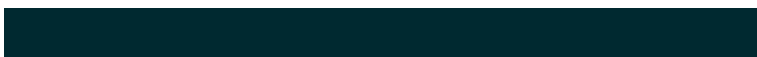
17.5689, 0.1853, 0.1583



15.1742, 0.2982, 0.3251



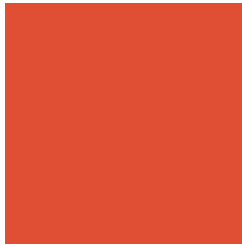
24.1342, 0.2102, 0.2767



1.7753, 0.2127, 0.2856

Previews

White Background



This preview shows how the Yxy color 21.6783, 0.5566, 0.3535 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 21.6783, 0.5566, 0.3535 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 21.6783, 0.5566, 0.3535

Background



This preview shows how black text looks on a background with the Yxy color 21.6783, 0.5566, 0.3535.



This preview shows how white text looks on a background with the Yxy color 21.6783, 0.5566, 0.3535.

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

21.6783, 0.5566, 0.3535

Protanopia

21.8446, 0.3986, 0.4356

Deuteranopia

21.6493, 0.4524, 0.4444



Tritanopia

21.6189, 0.5261, 0.3248

Trichromacy



Original Color

21.6783, 0.5566, 0.3535

Protanomaly

20.4765, 0.4603, 0.4004

Deuteranomaly

20.6803, 0.4967, 0.4048

Tritanomaly

21.6061, 0.5399, 0.3361

Monochromacy



Original Color

21.6783, 0.5566, 0.3535

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.8769, 0.4038, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6783, 0.5566, 0.3535 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(224, 79, 51)` looks like.

```
.text, #text, p{  
    color:rgb(224, 79, 51)  
}
```

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(224, 79, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 79, 51) }
```

Border

The CSS property to change the border of an element to Yxy 21.6783, 0.5566, 0.3535 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(224, 79, 51) }
```

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

```
.border{ border-color:rgb(224, 79, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 79, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 79, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 79, 51);  
box-shadow:4px 4px 4px 4px rgb(224, 79,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6783, 0.5566, 0.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 79, 51) }
```

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

```
.background{ background-color: rgb(224, 79,  
51) }
```

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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