

Converting Colors

$Y_{xy}(20.5369, 0.5648, 0.3275)$

Have a look what the booklet for
Yxy(20.5369, 0.5648, 0.3275)
contains.

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Color

Yxy(20.5795, 0.5643, 0.3274)

Conversions

Conversions Part 1

Format	Color
Hex	E73C3F
RGB	231, 60, 63
RGB Percent	91%, 24%, 25%
CMY	0.0941, 0.7647, 0.7529
CMYK	0.00, 0.74, 0.73, 0.09
HSL	359°, 78%, 57%
HSV	359°, 74%, 91%
XYZ	35.4704, 20.5795, 6.8075
YIQ	111.4710, 100.9530, 37.1850

Conversions

Conversions Part 2

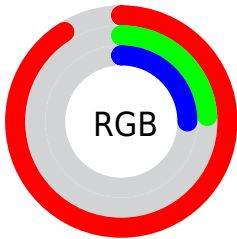
Format	Color
R_{YB}	231, 60, 63
Decimal	15154239
CIE _{Lab}	52.49, 64.78, 38.70
CIE _{LCh}	52, 75.461, 30.854
Yxy	20.5795, 0.5643, 0.3274
Android (android.graphics.Color)	4293344319 (0xFFE73C3F)
YUV	111.4710, -23.8962, 104.8269
Hunter-Lab	45.3646, 60.1803, 22.8581

Details

The Yxy color **20.5795, 0.5643, 0.3274** 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 **63.7177, 0.2321, 0.3327**, and the grayscale version is **16.0898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8406, 0.4797, 0.3383**, and **8.2660, 0.6240, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **18.4623, 0.6043, 0.3281**, and if you desaturate by 10%, it is **23.8590, 0.5172, 0.3271**.

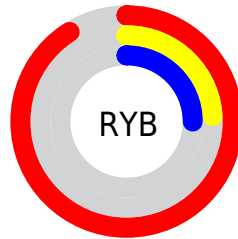
Distribution



Red (91%)

Green (24%)

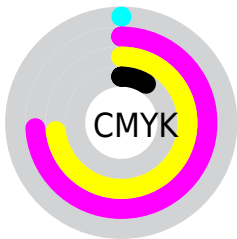
Blue (25%)



Red (91%)

Yellow (24%)

Blue (25%)

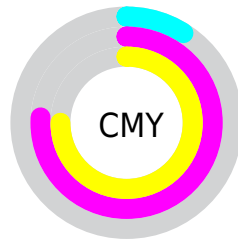


Cyan (0%)

Magenta (74%)

Yellow (73%)

Black (9%)



Cyan (9%)


Magenta (76%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5795, 0.5643, 0.3274 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 20.5795, 0.5643, 0.3274 by changing the saturation by 10% instead.


 20.5795, 0.5643,
0.3274


 20.5795, 0.5643,
0.3274


255.0352, 0.4248,
0.3406

 12.8170, 0.6007,
0.3182


 44.3866, 0.5116,
0.3362


 7.3026, 0.6464,
0.3025


 61.2001, 0.4923,
0.3382


 3.6521, 0.7185,
0.2812

 81.7992, 0.4762,
0.3395

 1.4809, 0.7721,
0.2279

 106.5686, 0.4626,
0.3402

 0.2752, 0.8928,
0.1072

 135.8924, 0.4510,
0.3405

 0.0000, 1.0000,
0.0000

 170.1552, 0.4411,

 0.0000, 0.0000,

0.3407

0.0000

209.7414, 0.4324,
0.3407

■ 20.5795, 0.5643,
0.3274

■ 20.5795, 0.5643,
0.3274

■ 18.4623, 0.6043,
0.3281

■ 23.8590, 0.5172,
0.3271

■ 17.3413, 0.6302,
0.3290


■ 28.4307, 0.4701,
0.3271


■ 16.9992, 0.6387,
0.3292

■ 34.4111, 0.4275,
0.3273


■ 41.9030, 0.3915,
0.3276

■ 50.9994, 0.3619,
0.3280

 61.7859, 0.3382,
0.3284

 74.3419, 0.3192,
0.3288

 88.7421, 0.3041,
0.3292

 95.7302, 0.2982,
0.3290

Harmonies

Analogous

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



20.5795, 0.4776, 0.2538



20.5795, 0.5643, 0.3274



20.5795, 0.5527, 0.4089

Triad

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



20.5795, 0.5643, 0.3274



20.5795, 0.2473, 0.5552



20.5795, 0.1423, 0.1480

Complementary

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



20.5795, 0.5643, 0.3274



63.7177, 0.2321, 0.3327

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.



20.5795, 0.1108, 0.1737



20.5795, 0.5643, 0.3274



20.5795, 0.1561, 0.3980

Square

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



20.5795, 0.5643, 0.3274



20.5795, 0.3617, 0.5802



20.5795, 0.1130, 0.2500



20.5795, 0.2143, 0.1558

Rectangle

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



20.5795, 0.5643, 0.3274



20.5795, 0.5038, 0.4704



20.5795, 0.1130, 0.2500



20.5795, 0.1279, 0.1524

Sweetspot

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



20.5807, 0.5643, 0.3274



66.2258, 0.3570, 0.3281



25.0584, 0.3142, 0.1668



13.4434, 0.3641, 0.3280



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.



20.5807, 0.5643, 0.3274



22.1975, 0.6204, 0.3286



36.0149, 0.4895, 0.4088



14.3721, 0.3290, 0.3286



9.5311, 0.6381, 0.3289



0.7058, 0.6326, 0.3259

Inverse Universe

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



20.5807, 0.5643, 0.3274



22.1975, 0.6204, 0.3286



28.9292, 0.2013, 0.2126



14.3721, 0.3290, 0.3286



9.5311, 0.6381, 0.3289



0.7058, 0.6326, 0.3259

Previews

White Background



This preview shows how the Yxy color 20.5795, 0.5643, 0.3274 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 20.5795, 0.5643, 0.3274 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 20.5795, 0.5643, 0.3274

Background



This preview shows how black text looks on a background with the Yxy color 20.5795, 0.5643, 0.3274.



This preview shows how white text looks on a background with the Yxy color 20.5795, 0.5643, 0.3274.

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

20.5795, 0.5643, 0.3274

Protanopia

20.8118, 0.3727, 0.4028

Deuteranopia

20.7488, 0.4390, 0.4328



Tritanopia

20.5684, 0.5655, 0.3282

Trichromacy



Original Color

20.5795, 0.5643, 0.3274

Protanomaly

18.6965, 0.4487, 0.3666

Deuteranomaly

19.0882, 0.4939, 0.3831

Tritanomaly

20.5684, 0.5655, 0.3282

Monochromacy



Original Color

20.5795, 0.5643, 0.3274

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.4310, 0.4090, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5795, 0.5643, 0.3274 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(231, 60, 63)` looks like.

```
.text, #text, p{  
    color:rgb(231, 60, 63)  
}
```

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(231, 60, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 60, 63) }
```

Border

The CSS property to change the border of an element to Yxy 20.5795, 0.5643, 0.3274 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(231, 60, 63) }
```

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

```
.border{ border-color:rgb(231, 60, 63) }
```

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

Here you see how a box with a 4 pixel rgb(231, 60, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 60, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 60, 63);  
box-shadow:4px 4px 4px 4px rgb(231, 60,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5795, 0.5643, 0.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 60, 63) }
```

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

```
.background{ background-color: rgb(231, 60,  
63) }
```

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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