

Converting Colors

$Y_{xy}(20.9592, 0.5477, 0.3399)$

Have a look what the booklet for
Yxy(20.9592, 0.5477, 0.3399)
contains.

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Color

Yxy(20.9444, 0.5476, 0.3395)

Conversions

Conversions Part 1

Format	Color
Hex	DF4A3F
RGB	223, 74, 63
RGB Percent	87%, 29%, 25%
CMY	0.1254, 0.7099, 0.7529
CMYK	0.00, 0.67, 0.72, 0.13
HSL	4°, 71%, 56%
HSV	4°, 72%, 87%
XYZ	33.7825, 20.9444, 6.9650
YIQ	117.2970, 92.3350, 28.1670

Conversions

Conversions Part 2

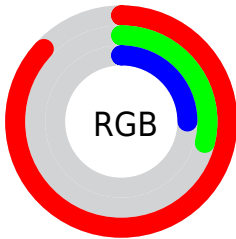
Format	Color
R_{YB}	223, 75, 63
Decimal	14633535
CIE _{Lab}	52.89, 57.24, 38.79
CIE _{LCh}	53, 69.147, 34.120
Yxy	20.9444, 0.5476, 0.3395
Android (android.graphics.Color)	4292823615 (0xFFDF4A3F)
YUV	117.2970, -26.7684, 92.7015
Hunter-Lab	45.7651, 51.6749, 23.0121

Details

The Yxy color **20.9444, 0.5476, 0.3395** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **53.4930, 0.2283, 0.3137**, and the grayscale version is **17.9479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3730, 0.4729, 0.3483**, and **7.5206, 0.6237, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **18.4149, 0.5897, 0.3381**, and if you desaturate by 10%, it is **24.4925, 0.5013, 0.3396**.

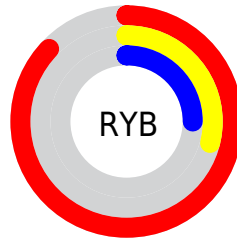
Distribution



Red (87%)

Green (29%)

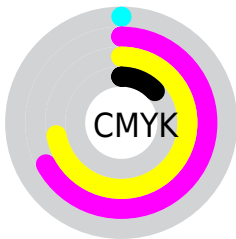
Blue (25%)



Red (87%)

Yellow (29%)

Blue (25%)

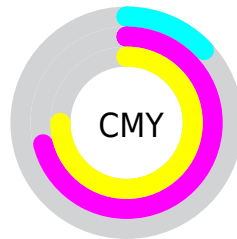


Cyan (0%)

Magenta (67%)

Yellow (72%)

Black (13%)



Cyan (13%)

Magenta (71%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9444, 0.5476, 0.3395 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 20.9444, 0.5476, 0.3395 by changing the saturation by 10% instead.


 20.9444, 0.5476,
0.3395


 20.9444, 0.5476,
0.3395


256.9829, 0.4173,
0.3451


 13.0834, 0.5819,
0.3326


 44.9950, 0.4982,
0.3452

 7.4860, 0.6253,
0.3199


 61.9533, 0.4801,
0.3461


 3.7678, 0.6938,
0.3024

 82.7129, 0.4651,
0.3465

 1.5446, 0.7472,
0.2528

 107.6581, 0.4525,
0.3465

 0.3198, 0.8637,
0.1363

 137.1733, 0.4417,
0.3463

 0.0000, 1.0000,
0.0000

 171.6429, 0.4324,

 0.0000, 0.0000,

0.3459

0.0000

211.4513, 0.4243,
0.3455

■ 20.9444, 0.5476,
0.3395

■ 20.9444, 0.5476,
0.3395

■ 18.4149, 0.5897,
0.3381

■ 24.4925, 0.5013,
0.3396

■ 16.7932, 0.6208,
0.3354

■ 29.1477, 0.4566,
0.3386

■ 16.0417, 0.6359,
0.3332


■ 34.9932, 0.4170,
0.3369


■ 42.1030, 0.3835,
0.3350

■ 50.5454, 0.3559,
0.3330

 60.3834, 0.3335,
0.3311

 71.6764, 0.3155,
0.3293

 84.4801, 0.3009,
0.3277

 94.4314, 0.2935,
0.3289

Harmonies

Analogous

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



20.9444, 0.4760, 0.2676



20.9444, 0.5476, 0.3395



20.9444, 0.5321, 0.4187

Triad

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



20.9444, 0.5476, 0.3395



20.9444, 0.2444, 0.5205



20.9444, 0.1586, 0.1588

Complementary

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



20.9444, 0.5476, 0.3395



53.4930, 0.2283, 0.3137

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.



20.9444, 0.1244, 0.1805



20.9444, 0.5476, 0.3395



20.9444, 0.1616, 0.3757

Square

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



20.9444, 0.5476, 0.3395



20.9444, 0.3517, 0.5631



20.9444, 0.1237, 0.2474



20.9444, 0.2321, 0.1690

Rectangle

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



20.9444, 0.5476, 0.3395



20.9444, 0.4855, 0.4759



20.9444, 0.1237, 0.2474



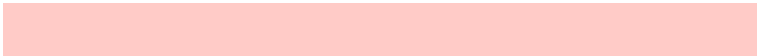
20.9444, 0.1432, 0.1620

Sweetspot

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



20.9456, 0.5476, 0.3395



67.9726, 0.3569, 0.3331



24.0180, 0.3319, 0.1806



13.8452, 0.3640, 0.3336



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.



20.9456, 0.5476, 0.3395



23.7313, 0.6066, 0.3369



39.0560, 0.4663, 0.4251



13.8507, 0.3290, 0.3307



9.4890, 0.6348, 0.3342



0.7115, 0.6202, 0.3458

Inverse Universe

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



53.4930, 0.2283, 0.3137



69.8811, 0.2216, 0.3102



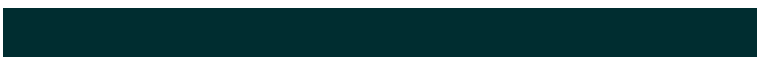
22.9817, 0.1978, 0.1920



15.4028, 0.2982, 0.3273



29.6392, 0.2188, 0.3075



2.1035, 0.2197, 0.3111

Previews

White Background



This preview shows how the Yxy color 20.9444, 0.5476, 0.3395 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 20.9444, 0.5476, 0.3395 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 20.9444, 0.5476, 0.3395

Background



This preview shows how black text looks on a background with the Yxy color 20.9444, 0.5476, 0.3395.



This preview shows how white text looks on a background with the Yxy color 20.9444, 0.5476, 0.3395.

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

20.9444, 0.5476, 0.3395

Protanopia

21.1761, 0.3792, 0.4106

Deuteranopia

21.1092, 0.4373, 0.4312



Tritanopia

21.0038, 0.5332, 0.3259

Trichromacy



Original Color

20.9444, 0.5476, 0.3395

Protanomaly

19.6546, 0.4443, 0.3803

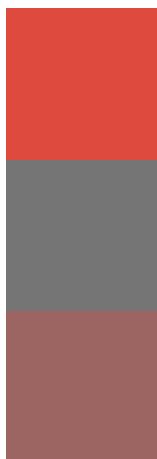
Deuteranomaly

20.0198, 0.4833, 0.3910

Tritanomaly

21.0673, 0.5391, 0.3315

Monochromacy



Original Color

20.9444, 0.5476, 0.3395

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.2383, 0.3999, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9444, 0.5476, 0.3395 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(223, 74, 63)` looks like.

```
.text, #text, p{  
  color:rgb(223, 74, 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(223, 74, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 74, 63) }
```

Border

The CSS property to change the border of an element to Yxy 20.9444, 0.5476, 0.3395 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(223, 74, 63) }
```

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

```
.border{ border-color:rgb(223, 74, 63) }
```

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

Here you see how a box with a 4 pixel rgb(223, 74, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 74, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 74, 63);  
box-shadow:4px 4px 4px 4px rgb(223, 74,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9444, 0.5476, 0.3395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 74, 63) }
```

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

```
.background{ background-color: rgb(223, 74,  
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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