

Converting Colors

$Y_{xy}(20.4043, 0.5359, 0.3259)$

Have a look what the booklet for
Yxy(20.4043, 0.5359, 0.3259)
contains.

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Color

Yxy(20.4043, 0.5359, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	DE464A
RGB	222, 70, 74
RGB Percent	87%, 27%, 29%
CMY	0.1294, 0.7255, 0.7097
CMYK	0.00, 0.68, 0.67, 0.13
HSL	358°, 70%, 57%
HSV	358°, 68%, 87%
XYZ	33.5522, 20.4043, 8.6526
YIQ	115.9040, 89.3080, 33.4680

Conversions

Conversions Part 2

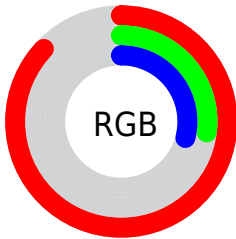
Format	Color
RYB	222, 70, 74
Decimal	14566986
CIELab	52.29, 59.01, 31.76
CIElCh	52, 67.015, 28.287
Yxy	20.4043, 0.5359, 0.3259
Android (android.graphics.Color)	4292757066 (0xFFDE464A)
YUV	115.9040, -20.6587, 93.0462
Hunter-Lab	45.1711, 53.5368, 20.2627

Details

The Yxy color **20.4043, 0.5359, 0.3259** 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 **58.6082, 0.2355, 0.3342**, and the grayscale version is **17.4791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8688, 0.4615, 0.3335**, and **7.5673, 0.6085, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **17.8796, 0.5808, 0.3265**, and if you desaturate by 10%, it is **24.0574, 0.4884, 0.3258**.

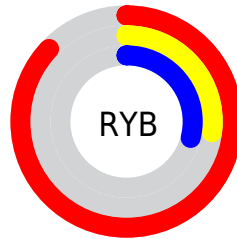
Distribution



Red (87%)

Green (27%)

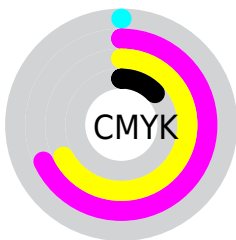
Blue (29%)



Red (87%)

Yellow (27%)

Blue (29%)

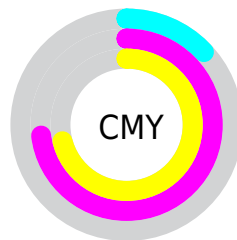


Cyan (0%)

Magenta (68%)

Yellow (67%)

Black (13%)



Cyan (13%)


Magenta (73%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4043, 0.5359, 0.3259 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 20.4043, 0.5359, 0.3259 by changing the saturation by 10% instead.


 20.4043, 0.5359,
0.3259


 20.4043, 0.5359,
0.3259


254.0955, 0.4104,
0.3367


 12.6893, 0.5703,
0.3187


 44.0940, 0.4875,
0.3328

 7.2149, 0.6151,
0.3061


 60.8374, 0.4701,
0.3345


 3.5969, 0.6779,
0.2851

 81.3592, 0.4557,
0.3355

 1.4507, 0.7564,
0.2436

 106.0435, 0.4437,
0.3361

 0.2537, 0.8870,
0.1130

 135.2750, 0.4335,
0.3364

 0.0000, 1.0000,
0.0000

169.4378, 0.4247,

 0.0000, 0.0000,

0.3366

0.0000

208.9165, 0.4171,
0.3367

■ 20.4043, 0.5359,
0.3259

■ 20.4043, 0.5359,
0.3259

■ 17.8796, 0.5808,
0.3265

■ 24.0574, 0.4884,
0.3258

■ 16.3494, 0.6159,
0.3277

■ 28.9460, 0.4440,
0.3261


■ 15.6243, 0.6357,
0.3288


■ 35.1688, 0.4055,
0.3266


■ 15.5432, 0.6379,
0.3287


■ 42.8135, 0.3735,
0.3272

■ 51.9604, 0.3477,
0.3278

 62.6838, 0.3270,
0.3285

 75.0529, 0.3104,
0.3291

 89.1331, 0.2972,
0.3296

 94.2703, 0.2929,
0.3289

Harmonies

Analogous

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



20.4043, 0.4504, 0.2562



20.4043, 0.5359, 0.3259



20.4043, 0.5372, 0.4026

Triad

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



20.4043, 0.5359, 0.3259



20.4043, 0.2660, 0.5339



20.4043, 0.1518, 0.1630

Complementary

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



20.4043, 0.5359, 0.3259



58.6082, 0.2355, 0.3342

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.



20.4043, 0.1245, 0.1920



20.4043, 0.5359, 0.3259



20.4043, 0.1772, 0.4045

Square

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



20.4043, 0.5359, 0.3259



20.4043, 0.3728, 0.5525



20.4043, 0.1308, 0.2692



20.4043, 0.2163, 0.1673

Rectangle

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



20.4043, 0.5359, 0.3259



20.4043, 0.4986, 0.4581



20.4043, 0.1308, 0.2692



20.4043, 0.1389, 0.1684

Sweetspot

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



20.4055, 0.5359, 0.3259



67.5489, 0.3541, 0.3277



24.3968, 0.3144, 0.1744



13.7012, 0.3611, 0.3275



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.



20.4055, 0.5359, 0.3259



23.4490, 0.5970, 0.3269



35.0034, 0.4730, 0.4063



13.7064, 0.3288, 0.3284



9.2345, 0.6371, 0.3283



0.6422, 0.6285, 0.3236

Inverse Universe

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



20.4055, 0.5359, 0.3259



23.4490, 0.5970, 0.3269



28.7319, 0.2080, 0.2231



13.7064, 0.3288, 0.3284



9.2345, 0.6371, 0.3283



0.6422, 0.6285, 0.3236

Previews

White Background



This preview shows how the Yxy color 20.4043, 0.5359, 0.3259 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 20.4043, 0.5359, 0.3259 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 20.4043, 0.5359, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 20.4043, 0.5359, 0.3259.



This preview shows how white text looks on a background with the Yxy color 20.4043, 0.5359, 0.3259.

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

20.4043, 0.5359, 0.3259

Protanopia

20.5618, 0.3590, 0.3838

Deuteranopia

20.4570, 0.4235, 0.4144



Tritanopia

20.4043, 0.5359, 0.3259

Trichromacy



Original Color

20.4043, 0.5359, 0.3259

Protanomaly

18.8983, 0.4255, 0.3574

Deuteranomaly

19.3207, 0.4702, 0.3736

Tritanomaly

20.4043, 0.5359, 0.3259

Monochromacy



Original Color

20.4043, 0.5359, 0.3259

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.8318, 0.3936, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4043, 0.5359, 0.3259 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(222, 70, 74)` looks like.

```
.text, #text, p{  
    color:rgb(222, 70, 74)  
}
```

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(222, 70, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 70, 74) }
```

Border

The CSS property to change the border of an element to Yxy 20.4043, 0.5359, 0.3259 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(222, 70, 74) }
```

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

```
.border{ border-color:rgb(222, 70, 74) }
```

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

Here you see how a box with a 4 pixel rgb(222, 70, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 70, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 70, 74);  
box-shadow:4px 4px 4px 4px rgb(222, 70,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4043, 0.5359, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 70, 74) }
```

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

```
.background{ background-color: rgb(222, 70,  
74) }
```

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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