

Converting Colors

$Yxy(20.3339, 0.5402, 0.3396)$

Have a look what the booklet for
Yxy(20.3339, 0.5402, 0.3396)
contains.

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Color

Yxy(20.3192, 0.5405, 0.3391)

Conversions

Conversions Part 1

Format	Color
Hex	DA4B41
RGB	218, 75, 65
RGB Percent	85%, 29%, 25%
CMY	0.1450, 0.7059, 0.7451
CMYK	0.00, 0.66, 0.70, 0.15
HSL	4°, 67%, 55%
HSV	4°, 70%, 85%
XYZ	32.3873, 20.3192, 7.2145
YIQ	116.6170, 88.4380, 27.2060

Conversions

Conversions Part 2

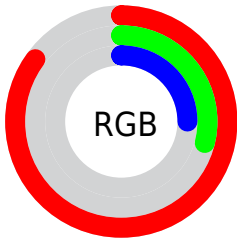
Format	Color
R_{YB}	218, 76, 65
Decimal	14306113
CIE Lab	52.20, 55.28, 36.65
CIE LCh	52, 66.329, 33.542
Yxy	20.3192, 0.5405, 0.3391
Android (android.graphics.Color)	4292496193 (0xFFDA4B41)
YUV	116.6170, -25.4472, 88.9129
Hunter-Lab	45.0768, 49.3662, 22.0645

Details

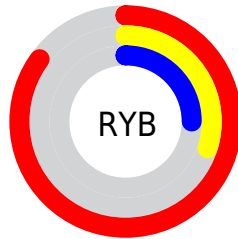
The Yxy color **20.3192, 0.5405, 0.3391** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **51.3066, 0.2295, 0.3148**, and the grayscale version is **17.7231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4175, 0.4707, 0.3464**, and **7.2089, 0.6182, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **17.7796, 0.5837, 0.3380**, and if you desaturate by 10%, it is **23.8435, 0.4941, 0.3390**.

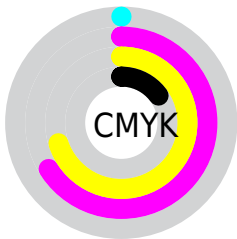
Distribution



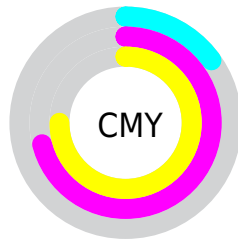
- Red (85%)
- Green (29%)
- Blue (25%)



- Red (85%)
- Yellow (30%)
- Blue (25%)



- Cyan (0%)
- Magenta (66%)
- Yellow (70%)
- Black (15%)





- Cyan (15%)
- Magenta (71%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3192, 0.5405, 0.3391 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 20.3192, 0.5405, 0.3391 by changing the saturation by 10% instead.


 20.3192, 0.5405,
0.3391


 20.3192, 0.5405,
0.3391


253.6379, 0.4131,
0.3440


 12.6273, 0.5747,
0.3327


 43.9517, 0.4918,
0.3443


 7.1724, 0.6185,
0.3206


 60.6611, 0.4741,
0.3451


 3.5702, 0.6871,
0.3033

 81.1451, 0.4595,
0.3454

 1.4361, 0.7454,
0.2546

 105.7880, 0.4472,
0.3454

 0.2431, 0.8820,
0.1180

 134.9744, 0.4367,
0.3451

 0.0000, 1.0000,
0.0000


 169.0886, 0.4277,


 0.0000, 0.0000,

0.3448

0.0000


208.5150, 0.4199,
0.3444


 20.3192, 0.5405,
0.3391


 20.3192, 0.5405,
0.3391


 17.7796, 0.5837,
0.3380


 23.8435, 0.4941,
0.3390


 16.1212, 0.6170,
0.3356


 28.4353, 0.4500,
0.3379

 15.2288, 0.6361,
0.3331


 34.1729, 0.4113,
0.3363


 41.1260, 0.3787,
0.3344

 49.3591, 0.3521,
0.3325

 58.9317, 0.3304,
0.3307

 69.9001, 0.3130,
0.3290

 82.3169, 0.2989,
0.3275

 93.6480, 0.2906,
0.3289

Harmonies

Analogous

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



20.3192, 0.4690, 0.2683



20.3192, 0.5405, 0.3391



20.3192, 0.5281, 0.4168

Triad

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



20.3192, 0.5405, 0.3391



20.3192, 0.2490, 0.5155



20.3192, 0.1611, 0.1626

Complementary

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



20.3192, 0.5405, 0.3391



51.3066, 0.2295, 0.3148

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.



20.3192, 0.1280, 0.1851



20.3192, 0.5405, 0.3391



20.3192, 0.1669, 0.3775

Square

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



20.3192, 0.5405, 0.3391



20.3192, 0.3543, 0.5557



20.3192, 0.1283, 0.2521



20.3192, 0.2326, 0.1721

Rectangle

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



20.3192, 0.5405, 0.3391



20.3192, 0.4840, 0.4723



20.3192, 0.1283, 0.2521



20.3192, 0.1462, 0.1662

Sweetspot

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



20.3204, 0.5405, 0.3391



69.1366, 0.3545, 0.3327



23.3589, 0.3285, 0.1806



14.0689, 0.3615, 0.3332



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.



20.3204, 0.5405, 0.3391



24.1318, 0.6005, 0.3371



36.8336, 0.4648, 0.4212



13.1874, 0.3290, 0.3306



9.1769, 0.6350, 0.3340



0.6436, 0.6203, 0.3457

Inverse Universe

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



51.3066, 0.2295, 0.3148



70.5998, 0.2225, 0.3116



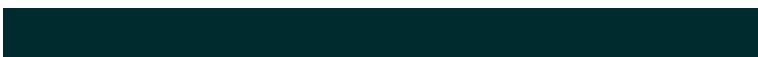
23.1958, 0.2010, 0.1997



14.6762, 0.2982, 0.3274



28.8977, 0.2191, 0.3086



1.9170, 0.2200, 0.3121

Previews

White Background



This preview shows how the Yxy color 20.3192, 0.5405, 0.3391 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 20.3192, 0.5405, 0.3391 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 20.3192, 0.5405, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 20.3192, 0.5405, 0.3391.



This preview shows how white text looks on a background with the Yxy color 20.3192, 0.5405, 0.3391.

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

20.3192, 0.5405, 0.3391

Protanopia

20.5260, 0.3756, 0.4047

Deuteranopia

20.4576, 0.4342, 0.4259



Tritanopia

20.3610, 0.5269, 0.3257

Trichromacy



Original Color

20.3192, 0.5405, 0.3391

Protanomaly

19.1442, 0.4388, 0.3769

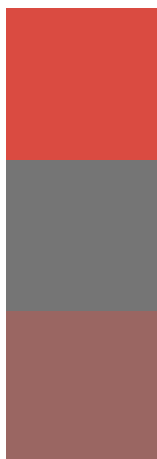
Deuteranomaly

19.4917, 0.4778, 0.3876

Tritanomaly

20.4387, 0.5316, 0.3306

Monochromacy



Original Color

20.3192, 0.5405, 0.3391

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.2546, 0.3950, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3192, 0.5405, 0.3391 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(218, 75, 65)` looks like.

```
.text, #text, p{  
  color:rgb(218, 75, 65)  
}
```

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(218, 75, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 75, 65) }
```

Border

The CSS property to change the border of an element to Yxy 20.3192, 0.5405, 0.3391 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(218, 75, 65) }
```

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

```
.border{ border-color:rgb(218, 75, 65) }
```

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

Here you see how a box with a 4 pixel rgb(218, 75, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 75, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 75, 65);  
box-shadow:4px 4px 4px 4px rgb(218, 75,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3192, 0.5405, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 75, 65) }
```

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

```
.background{ background-color: rgb(218, 75,  
65) }
```

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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