

Converting Colors

$Y_{xy}(20.6265, 0.5454, 0.3399)$

Have a look what the booklet for
Yxy(20.6265, 0.5454, 0.3399)
contains.

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Color

Yxy(20.6286, 0.5461, 0.3397)

Conversions

Conversions Part 1

Format	Color
Hex	DD4A3F
RGB	221, 74, 63
RGB Percent	87%, 29%, 25%
CMY	0.1334, 0.7097, 0.7530
CMYK	0.00, 0.67, 0.71, 0.13
HSL	4°, 70%, 56%
HSV	4°, 71%, 87%
XYZ	33.1624, 20.6286, 6.9349
YIQ	116.6990, 91.1430, 27.7430

Conversions

Conversions Part 2

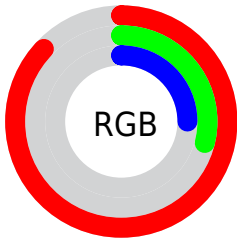
Format	Color
R_{YB}	221, 75, 63
Decimal	14502463
CIE Lab	52.54, 56.56, 38.30
CIE LCh	53, 68.312, 34.104
Yxy	20.6286, 0.5461, 0.3397
Android (android.graphics.Color)	4292692543 (0xFFDD4A3F)
YUV	116.6990, -26.4736, 91.4720
Hunter-Lab	45.4187, 50.8488, 22.7402

Details

The Yxy color **20.6286, 0.5461, 0.3397** 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 **52.3490, 0.2284, 0.3135**, and the grayscale version is **17.7558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3730, 0.4729, 0.3483**, and **7.3161, 0.6232, 0.3207** is the 20% darker color. If you saturate the color by 10%, you get **18.1188, 0.5884, 0.3383**, and if you desaturate by 10%, it is **24.1364, 0.4998, 0.3397**.

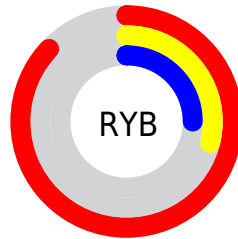
Distribution



Red (87%)

Green (29%)

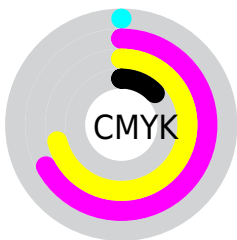
Blue (25%)



Red (87%)

Yellow (29%)

Blue (25%)

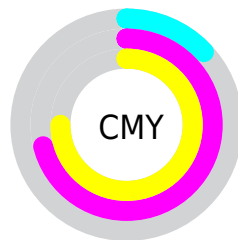


Cyan (0%)

Magenta (67%)

Yellow (71%)

Black (13%)



Cyan (13%)


Magenta (71%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6286, 0.5461, 0.3397 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 20.6286, 0.5461, 0.3397 by changing the saturation by 10% instead.


 20.6286, 0.5461,
0.3397


 20.6286, 0.5461,
0.3397


255.2981, 0.4162,
0.3450


 12.8528, 0.5805,
0.3329


 44.4686, 0.4967,
0.3452

 7.3273, 0.6241,
0.3203


 61.3016, 0.4787,
0.3461

 3.6676, 0.6937,
0.3030

 81.9224, 0.4638,
0.3465

 1.4894, 0.7473,
0.2527

 106.7155, 0.4512,
0.3464

 0.2813, 0.8730,
0.1270

 136.0652, 0.4405,
0.3462

 0.0000, 1.0000,
0.0000

 170.3559, 0.4312,

 0.0000, 0.0000,

0.3458

0.0000

209.9721, 0.4232,
0.3454

■ 20.6286, 0.5461,
0.3397

■ 20.6286, 0.5461,
0.3397

■ 18.1188, 0.5884,
0.3383

■ 24.1364, 0.4998,
0.3397

■ 16.4996, 0.6199,
0.3356


■ 28.7281, 0.4554,
0.3387


■ 15.7245, 0.6358,
0.3333


■ 34.4843, 0.4159,
0.3370


■ 41.4770, 0.3826,
0.3351

■ 49.7726, 0.3552,
0.3330

 59.4324, 0.3330,
0.3311

 70.5141, 0.3151,
0.3293

 83.0720, 0.3006,
0.3276

 94.1106, 0.2923,
0.3289

Harmonies

Analogous

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



20.6286, 0.4748, 0.2681



20.6286, 0.5461, 0.3397



20.6286, 0.5310, 0.4186

Triad

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



20.6286, 0.5461, 0.3397



20.6286, 0.2450, 0.5189



20.6286, 0.1594, 0.1596

Complementary

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



20.6286, 0.5461, 0.3397



52.3490, 0.2284, 0.3135

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.



20.6286, 0.1252, 0.1813



20.6286, 0.5461, 0.3397



20.6286, 0.1626, 0.3756

Square

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



20.6286, 0.5461, 0.3397



20.6286, 0.3519, 0.5615



20.6286, 0.1247, 0.2481



20.6286, 0.2326, 0.1698

Rectangle

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



20.6286, 0.5461, 0.3397



20.6286, 0.4848, 0.4754



20.6286, 0.1247, 0.2481



20.6286, 0.1441, 0.1629

Sweetspot

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



20.6298, 0.5461, 0.3397



69.2513, 0.3544, 0.3330



23.6004, 0.3318, 0.1809



14.0956, 0.3614, 0.3335



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.



20.6298, 0.5461, 0.3397



23.7542, 0.6065, 0.3371



38.3561, 0.4656, 0.4249



13.1967, 0.3290, 0.3307



9.1954, 0.6346, 0.3343



0.6481, 0.6190, 0.3467

Inverse Universe

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



52.3490, 0.2284, 0.3135



69.7266, 0.2215, 0.3099



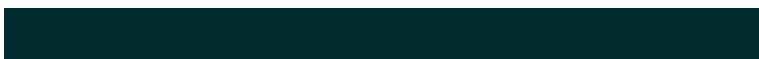
22.6319, 0.1982, 0.1927



14.6658, 0.2982, 0.3273



28.6250, 0.2187, 0.3072



1.9021, 0.2197, 0.3110

Previews

White Background



This preview shows how the Yxy color 20.6286, 0.5461, 0.3397 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 20.6286, 0.5461, 0.3397 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 20.6286, 0.5461, 0.3397

Background



This preview shows how black text looks on a background with the Yxy color 20.6286, 0.5461, 0.3397.



This preview shows how white text looks on a background with the Yxy color 20.6286, 0.5461, 0.3397.

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

20.6286, 0.5461, 0.3397

Protanopia

20.8342, 0.3785, 0.4094

Deuteranopia

20.7672, 0.4372, 0.4304



Tritanopia

20.6861, 0.5316, 0.3258

Trichromacy



Original Color

20.6286, 0.5461, 0.3397

Protanomaly

19.3346, 0.4440, 0.3792

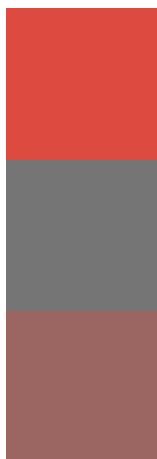
Deuteranomaly

19.6992, 0.4834, 0.3901

Tritanomaly

20.7496, 0.5376, 0.3315

Monochromacy



Original Color

20.6286, 0.5461, 0.3397

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.1390, 0.3985, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6286, 0.5461, 0.3397 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(221, 74, 63)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 74, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 74, 63) }
```

Border

The CSS property to change the border of an element to Yxy 20.6286, 0.5461, 0.3397 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(221, 74, 63) }
```

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

```
.border{ border-color:rgb(221, 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(221, 74, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 74, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 74, 63);  
box-shadow:4px 4px 4px 4px rgb(221, 74,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6286, 0.5461, 0.3397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 74, 63) }
```

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

```
.background{ background-color: rgb(221, 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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