

Converting Colors

$Y_{xy}(21.1546, 0.5179, 0.3461)$

Have a look what the booklet for
Yxy(21.1546, 0.5179, 0.3461)
contains.

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Color

Yxy(21.1076, 0.5175, 0.3455)

Conversions

Conversions Part 1	
Format	Color
Hex	D45647
RGB	212, 86, 71
RGB Percent	83%, 34%, 28%
CMY	0.1686, 0.6627, 0.7216
CMYK	0.00, 0.59, 0.67, 0.17
HSL	6°, 62%, 55%
HSV	6°, 67%, 83%
XYZ	31.6156, 21.1076, 8.3697
YIQ	121.9640, 79.9110, 22.0470

Conversions

Conversions Part 2

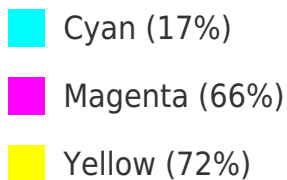
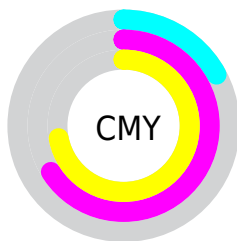
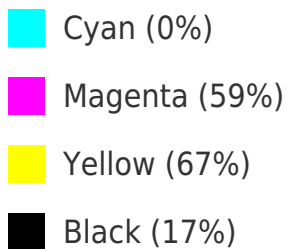
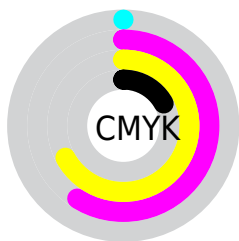
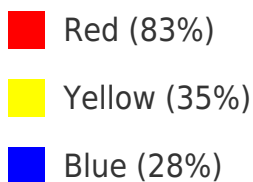
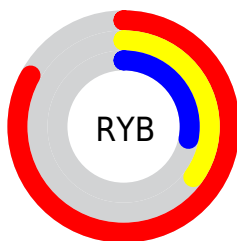
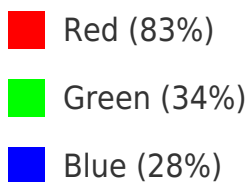
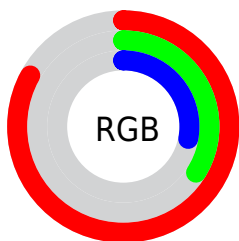
Format	Color
RYB	212, 88, 71
Decimal	13915719
CIELab	53.07, 48.73, 34.04
CIELCh	53, 59.447, 34.936
Yxy	21.1076, 0.5175, 0.3455
Android (android.graphics.Color)	4292105799 (0xFFD45647)
YUV	121.9640, -25.1253, 78.9616
Hunter-Lab	45.9430, 42.4341, 21.3589

Details

The Yxy color **21.1076, 0.5175, 0.3455** 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 **46.0196, 0.2299, 0.3072**, and the grayscale version is **19.5154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3722, 0.4566, 0.3498**, and **7.5824, 0.5901, 0.3336** is the 20% darker color. If you saturate the color by 10%, you get **18.2474, 0.5617, 0.3447**, and if you desaturate by 10%, it is **24.8666, 0.4730, 0.3445**.


Distribution




Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1076, 0.5175, 0.3455 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 21.1076, 0.5175, 0.3455 by changing the saturation by 10% instead.


 21.1076, 0.5175,
0.3455

 21.1076, 0.5175,
0.3455


257.8498, 0.4028,
0.3449


 13.2027, 0.5489,
0.3415


 45.2665, 0.4734,
0.3480


 7.5683, 0.5896,
0.3330


 62.2893, 0.4575,
0.3480


 3.8200, 0.6484,
0.3182


 83.1202, 0.4443,
0.3477

 1.5734, 0.7181,
0.2819

 108.1436, 0.4333,
0.3473

 0.3395, 0.8340,
0.1660

 137.7439, 0.4239,
0.3467

 0.0000, 1.0000,
0.0000


172.3054, 0.4159,


 0.0000, 0.0000,


0.3461

0.0000


212.2125, 0.4089,
0.3455

 21.1076, 0.5175,
0.3455


 21.1076, 0.5175,
0.3455


 18.2474, 0.5617,
0.3447


 24.8666, 0.4730,
0.3445

 16.2073, 0.5997,
0.3419


 29.5874, 0.4322,
0.3424


 14.9002, 0.6257,
0.3374


 35.3316, 0.3969,
0.3396


 14.5919, 0.6323,
0.3361

 42.1544, 0.3674,
0.3366

 50.1074, 0.3432,
0.3336

 59.2385, 0.3235,
0.3307

 69.5930, 0.3075,
0.3281

 81.2138, 0.2944,
0.3257

 92.7362, 0.2872,
0.3289

Harmonies

Analogous

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



21.1076, 0.4560, 0.2784



21.1076, 0.5175, 0.3455



21.1076, 0.5070, 0.4181

Triad

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



21.1076, 0.5175, 0.3455



21.1076, 0.2540, 0.4863



21.1076, 0.1769, 0.1768

Complementary

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



21.1076, 0.5175, 0.3455



46.0196, 0.2299, 0.3072

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.



21.1076, 0.1440, 0.1975



21.1076, 0.5175, 0.3455



21.1076, 0.1794, 0.3671

Square

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



21.1076, 0.5175, 0.3455



21.1076, 0.3503, 0.5306



21.1076, 0.1436, 0.2583



21.1076, 0.2453, 0.1865

Rectangle

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



21.1076, 0.5175, 0.3455



21.1076, 0.4681, 0.4673



21.1076, 0.1436, 0.2583



21.1076, 0.1622, 0.1800

Sweetspot

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



21.1088, 0.5175, 0.3455



71.4312, 0.3516, 0.3347



22.5757, 0.3360, 0.1917



14.5562, 0.3585, 0.3355



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.



21.1088, 0.5175, 0.3455



26.2267, 0.5794, 0.3438



38.0937, 0.4486, 0.4261



12.6314, 0.3288, 0.3315



9.0798, 0.6308, 0.3373



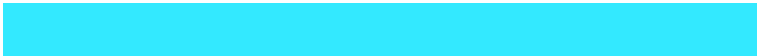
0.6214, 0.6076, 0.3558

Inverse Universe

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



46.0196, 0.2299, 0.3072



66.3633, 0.2212, 0.3019



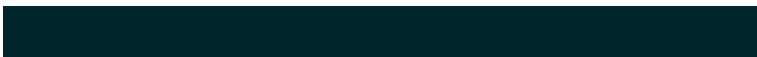
21.3754, 0.2034, 0.1966



13.8715, 0.2983, 0.3264



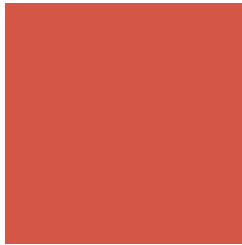
25.6072, 0.2154, 0.2954



1.6107, 0.2171, 0.3017

Previews

White Background



This preview shows how the Yxy color 21.1076, 0.5175, 0.3455 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 21.1076, 0.5175, 0.3455 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 21.1076, 0.5175, 0.3455

Background



This preview shows how black text looks on a background with the Yxy color 21.1076, 0.5175, 0.3455.



This preview shows how white text looks on a background with the Yxy color 21.1076, 0.5175, 0.3455.

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

21.1076, 0.5175, 0.3455

Protanopia

21.2539, 0.3736, 0.4020

Deuteranopia

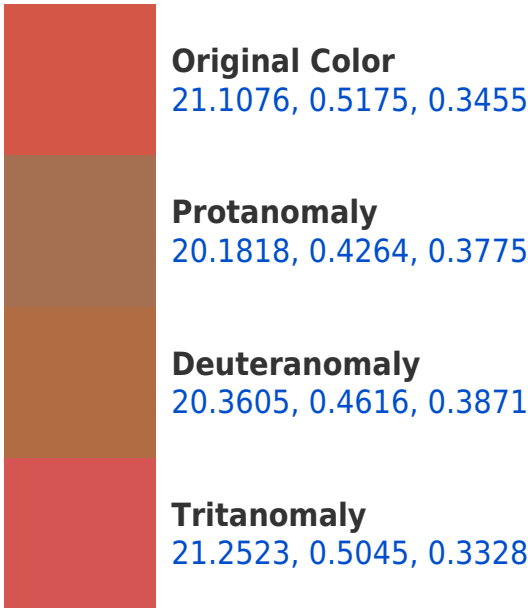
21.1128, 0.4262, 0.4191



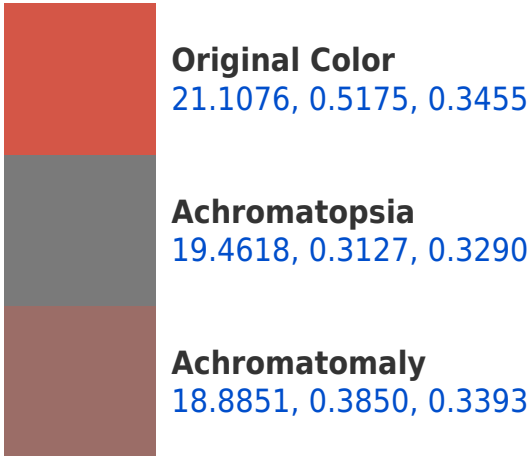
Tritanopia

21.2081, 0.4952, 0.3240

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1076, 0.5175, 0.3455 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(212, 86, 71)` looks like.

```
.text, #text, p{  
    color:rgb(212, 86, 71)  
}
```

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(212, 86, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 86, 71) }
```

Border

The CSS property to change the border of an element to Yxy 21.1076, 0.5175, 0.3455 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(212, 86, 71) }
```

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

```
.border{ border-color:rgb(212, 86, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 86, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 86, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 86, 71);  
box-shadow:4px 4px 4px 4px rgb(212, 86,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1076, 0.5175, 0.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 86, 71) }
```

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

```
.background{ background-color: rgb(212, 86,  
71) }
```

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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