

Converting Colors

$Y_{xy}(20.8038, 0.5421, 0.3526)$

Have a look what the booklet for
Yxy(20.8038, 0.5421, 0.3526)
contains.

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Color

Yxy(20.7792, 0.5426, 0.3523)

Conversions

Conversions Part 1

Format	Color
Hex	D85139
RGB	216, 81, 57
RGB Percent	85%, 32%, 22%
CMY	0.1529, 0.6824, 0.7763
CMYK	0.00, 0.63, 0.74, 0.15
HSL	9°, 67%, 54%
HSV	9°, 74%, 85%
XYZ	32.0034, 20.7792, 6.1990
YIQ	118.6290, 88.1640, 21.1560

Conversions

Conversions Part 2

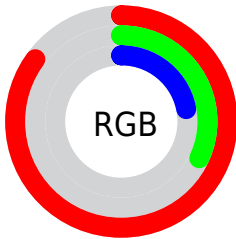
Format	Color
R _Y B	216, 85, 57
Decimal	14176569
CIE Lab	52.71, 51.70, 41.52
CIE LCh	53, 66.306, 38.770
Yxy	20.7792, 0.5426, 0.3523
Android (android.graphics.Color)	4292366649 (0xFFD85139)
YUV	118.6290, -30.3831, 85.3944
Hunter-Lab	45.5842, 45.5475, 23.8461

Details

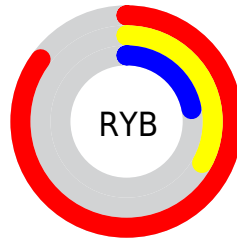
The Yxy color **20.7792, 0.5426, 0.3523** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **43.5513, 0.2224, 0.2940**, and the grayscale version is **18.4020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8882, 0.4748, 0.3601**, and **7.4305, 0.6174, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **18.2409, 0.5825, 0.3496**, and if you desaturate by 10%, it is **24.1480, 0.4991, 0.3523**.

Distribution



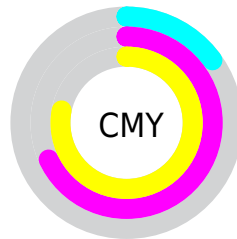
- Red (85%)
- Green (32%)
- Blue (22%)



- Red (85%)
- Yellow (33%)
- Blue (22%)



- Cyan (0%)
- Magenta (63%)
- Yellow (74%)
- Black (15%)





- Cyan (15%)
- Magenta (68%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7792, 0.5426, 0.3523 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 20.7792, 0.5426, 0.3523 by changing the saturation by 10% instead.


 20.7792, 0.5426,
0.3523


 20.7792, 0.5426,
0.3523


256.1027, 0.4154,
0.3512

 12.9627, 0.5757,
0.3468


 44.7198, 0.4946,
0.3557


 7.4029, 0.6173,
0.3355


 61.6126, 0.4769,
0.3557

 3.7153, 0.6811,
0.3189

 82.2997, 0.4622,
0.3553

 1.5156, 0.7304,
0.2696

 107.1655, 0.4499,
0.3546

 0.2997, 0.8546,
0.1454

 136.5943, 0.4393,
0.3538

 0.0000, 1.0000,
0.0000

 170.9705, 0.4302,

 0.0000, 0.0000,

0.3529

0.0000

210.6785, 0.4223,
0.3521

■ 20.7792, 0.5426,
0.3523

■ 20.7792, 0.5426,
0.3523

■ 18.2409, 0.5825,
0.3496

■ 24.1480, 0.4991,
0.3523

■ 16.4560, 0.6131,
0.3442


■ 28.4081, 0.4570,
0.3502

■ 15.6641, 0.6270,
0.3404


■ 33.6186, 0.4191,
0.3467

■ 39.8326, 0.3865,
0.3427

■ 47.0991, 0.3593,
0.3384

 55.4639, 0.3369,
0.3343

 64.9702, 0.3185,
0.3303

 75.6587, 0.3034,
0.3267

 87.5683, 0.2910,
0.3234

Harmonies

Analogous

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



20.7792, 0.4857, 0.2805



20.7792, 0.5426, 0.3523



20.7792, 0.5176, 0.4310

Triad

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



20.7792, 0.5426, 0.3523



20.7792, 0.2328, 0.4944



20.7792, 0.1715, 0.1631

Complementary

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



20.7792, 0.5426, 0.3523



43.5513, 0.2224, 0.2940

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.



20.7792, 0.1323, 0.1794



20.7792, 0.5426, 0.3523



20.7792, 0.1580, 0.3520

Square

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



20.7792, 0.5426, 0.3523



20.7792, 0.3358, 0.5558



20.7792, 0.1268, 0.2372



20.7792, 0.2500, 0.1774

Rectangle

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



20.7792, 0.5426, 0.3523



20.7792, 0.4687, 0.4861



20.7792, 0.1268, 0.2372



20.7792, 0.1544, 0.1648

Sweetspot

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



20.7804, 0.5426, 0.3523



70.1768, 0.3559, 0.3378



21.3434, 0.3490, 0.1894



14.3544, 0.3627, 0.3390



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.



20.7804, 0.5426, 0.3523



25.0713, 0.6000, 0.3471



40.1665, 0.4567, 0.4400



12.7199, 0.3287, 0.3326



9.3688, 0.6250, 0.3419



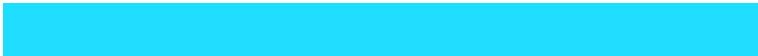
0.6630, 0.5958, 0.3651

Inverse Universe

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



43.5513, 0.2224, 0.2940



59.3127, 0.2145, 0.2858



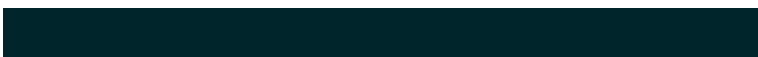
17.5672, 0.1903, 0.1676



13.7741, 0.2983, 0.3254



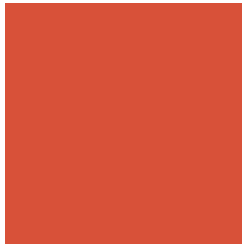
23.2160, 0.2113, 0.2807



1.4887, 0.2139, 0.2899

Previews

White Background



This preview shows how the Yxy color 20.7792, 0.5426, 0.3523 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 20.7792, 0.5426, 0.3523 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 20.7792, 0.5426, 0.3523

Background



This preview shows how black text looks on a background with the Yxy color 20.7792, 0.5426, 0.3523.



This preview shows how white text looks on a background with the Yxy color 20.7792, 0.5426, 0.3523.

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

20.7792, 0.5426, 0.3523

Protanopia

20.8786, 0.3910, 0.4235

Deuteranopia

20.8144, 0.4438, 0.4367



Tritanopia

20.8097, 0.5140, 0.3255

Trichromacy



Original Color

20.7792, 0.5426, 0.3523

Protanomaly

19.7726, 0.4484, 0.3936

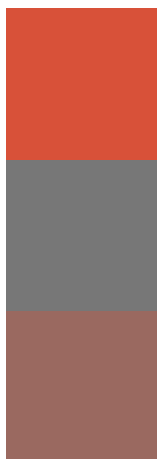
Deuteranomaly

20.0121, 0.4837, 0.4015

Tritanomaly

20.8247, 0.5257, 0.3357

Monochromacy



Original Color

20.7792, 0.5426, 0.3523

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.8177, 0.3961, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7792, 0.5426, 0.3523 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(216, 81, 57)` looks like.

```
.text, #text, p{  
    color:rgb(216, 81, 57)  
}
```

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(216, 81, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 81, 57) }
```

Border

The CSS property to change the border of an element to Yxy 20.7792, 0.5426, 0.3523 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(216, 81, 57) }
```

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

```
.border{ border-color:rgb(216, 81, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 81, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 81, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 81, 57);  
box-shadow:4px 4px 4px 4px rgb(216, 81,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7792, 0.5426, 0.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 81, 57) }
```

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

```
.background{ background-color: rgb(216, 81,  
57) }
```

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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