

Converting Colors

$Y_{xy}(20.2414, 0.5524, 0.3464)$

Have a look what the booklet for
Yxy(20.2414, 0.5524, 0.3464)
contains.

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Color

Yxy(20.2432, 0.5529, 0.3457)

Conversions

Conversions Part 1

Format	Color
Hex	DB4A38
RGB	219, 74, 56
RGB Percent	86%, 29%, 22%
CMY	0.1412, 0.7098, 0.7805
CMYK	0.00, 0.66, 0.74, 0.14
HSL	7°, 69%, 54%
HSV	7°, 74%, 86%
XYZ	32.3762, 20.2432, 5.9377
YIQ	115.3030, 92.1980, 25.1420

Conversions

Conversions Part 2

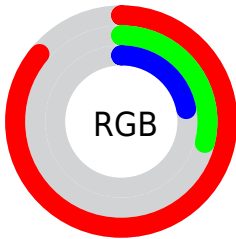
Format	Color
RYB	219, 76, 56
Decimal	14371384
CIELab	52.11, 55.61, 41.59
CIELCh	52, 69.443, 36.792
Yxy	20.2432, 0.5529, 0.3457
Android (android.graphics.Color)	4292561464 (0xFFDB4A38)
YUV	115.3030, -29.2364, 90.9423
Hunter-Lab	44.9924, 49.7105, 23.6702

Details

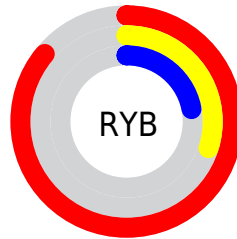
The Yxy color **20.2432, 0.5529, 0.3457** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **47.7093, 0.2243, 0.3032**, and the grayscale version is **17.3110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2247, 0.4803, 0.3549**, and **7.1138, 0.6305, 0.3254** is the 20% darker color. If you saturate the color by 10%, you get **17.8645, 0.5926, 0.3432**, and if you desaturate by 10%, it is **23.5228, 0.5082, 0.3461**.

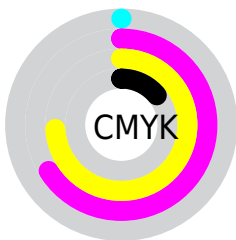
Distribution



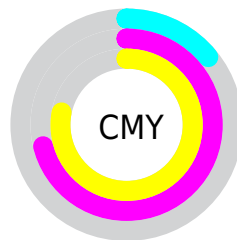
- Red (86%)
- Green (29%)
- Blue (22%)



- Red (86%)
- Yellow (30%)
- Blue (22%)



- Cyan (0%)
- Magenta (66%)
- Yellow (74%)
- Black (14%)





- Cyan (14%)
- Magenta (71%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2432, 0.5529, 0.3457 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 20.2432, 0.5529, 0.3457 by changing the saturation by 10% instead.


 20.2432, 0.5529,
0.3457

 20.2432, 0.5529,
0.3457


253.2287, 0.4197,
0.3490


 12.5720, 0.5875,
0.3387


 43.8246, 0.5026,
0.3510


 7.1345, 0.6307,
0.3254


 60.5034, 0.4842,
0.3516


 3.5463, 0.6951,
0.3049

 80.9537, 0.4688,
0.3517

 1.4232, 0.7469,
0.2531

 105.5596, 0.4558,
0.3514

 0.2337, 0.8860,
0.1140

 134.7057, 0.4448,
0.3509

 0.0000, 1.0000,
0.0000

 168.7763, 0.4353,

 0.0000, 0.0000,

0.3503

0.0000

208.1558, 0.4270,
0.3497

■ 20.2432, 0.5529,
0.3457

■ 20.2432, 0.5529,
0.3457

■ 17.8645, 0.5926,
0.3432

■ 23.5228, 0.5082,
0.3461

■ 16.2928, 0.6213,
0.3387


■ 27.7778, 0.4642,
0.3448


■ 15.7236, 0.6320,
0.3364

■ 33.0790, 0.4245,
0.3423

■ 39.4898, 0.3904,
0.3394

■ 47.0681, 0.3621,
0.3362

 55.8683, 0.3388,
0.3331

 65.9410, 0.3199,
0.3302

 77.3340, 0.3046,
0.3275

 90.0927, 0.2920,
0.3251

Harmonies

Analogous

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



20.2432, 0.4882, 0.2728



20.2432, 0.5529, 0.3457



20.2432, 0.5295, 0.4264

Triad

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



20.2432, 0.5529, 0.3457



20.2432, 0.2340, 0.5137



20.2432, 0.1617, 0.1566

Complementary

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



20.2432, 0.5529, 0.3457



47.7093, 0.2243, 0.3032

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.



20.2432, 0.1241, 0.1751



20.2432, 0.5529, 0.3457



20.2432, 0.1543, 0.3624

Square

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



20.2432, 0.5529, 0.3457



20.2432, 0.3415, 0.5682



20.2432, 0.1202, 0.2375



20.2432, 0.2398, 0.1695

Rectangle

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



20.2432, 0.5529, 0.3457



20.2432, 0.4791, 0.4846



20.2432, 0.1202, 0.2375



20.2432, 0.1451, 0.1589

Sweetspot

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



20.2444, 0.5529, 0.3457



69.0934, 0.3564, 0.3355



22.1830, 0.3392, 0.1819



14.1038, 0.3633, 0.3364



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.



20.2444, 0.5529, 0.3457



23.9054, 0.6096, 0.3410



38.3871, 0.4668, 0.4323



13.2823, 0.3289, 0.3317



9.4021, 0.6305, 0.3376



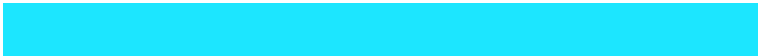
0.6888, 0.6078, 0.3556

Inverse Universe

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



47.7093, 0.2243, 0.3032



63.9969, 0.2174, 0.2973



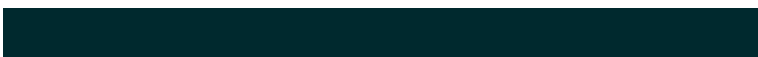
19.6730, 0.1923, 0.1778



14.5706, 0.2982, 0.3263



26.2134, 0.2150, 0.2940



1.7700, 0.2167, 0.3002

Previews

White Background



This preview shows how the Yxy color 20.2432, 0.5529, 0.3457 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 20.2432, 0.5529, 0.3457 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 20.2432, 0.5529, 0.3457

Background



This preview shows how black text looks on a background with the Yxy color 20.2432, 0.5529, 0.3457.



This preview shows how white text looks on a background with the Yxy color 20.2432, 0.5529, 0.3457.

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

20.2432, 0.5529, 0.3457

Protanopia

20.4535, 0.3892, 0.4229

Deuteranopia

20.4588, 0.4454, 0.4381



Tritanopia

20.2301, 0.5321, 0.3258

Trichromacy



Original Color

20.2432, 0.5529, 0.3457

Protanomaly

18.9169, 0.4539, 0.3890

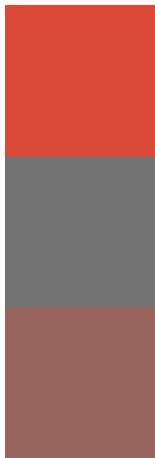
Deuteranomaly

19.5145, 0.4896, 0.3979

Tritanomaly

20.2677, 0.5408, 0.3334

Monochromacy



Original Color

20.2432, 0.5529, 0.3457

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.6948, 0.4008, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2432, 0.5529, 0.3457 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(219, 74, 56)` looks like.

```
.text, #text, p{  
    color:rgb(219, 74, 56)  
}
```

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(219, 74, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 74, 56) }
```

Border

The CSS property to change the border of an element to Yxy 20.2432, 0.5529, 0.3457 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(219, 74, 56) }
```

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

```
.border{ border-color:rgb(219, 74, 56) }
```

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

Here you see how a box with a 4 pixel rgb(219, 74, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 74, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 74, 56);  
box-shadow:4px 4px 4px 4px rgb(219, 74,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2432, 0.5529, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 74, 56) }
```

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

```
.background{ background-color: rgb(219, 74,  
56) }
```

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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