

Converting Colors

$Y_{xy}(20.5335, 0.5631, 0.3516)$

Have a look what the booklet for
Yxy(20.5335, 0.5631, 0.3516)
contains.

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Color

Yxy(20.4831, 0.5626, 0.3513)

Conversions

Conversions Part 1

Format	Color
Hex	DD4A30
RGB	221, 74, 48
RGB Percent	87%, 29%, 19%
CMY	0.1333, 0.7098, 0.8118
CMYK	0.00, 0.67, 0.78, 0.13
HSL	9°, 72%, 53%
HSV	9°, 78%, 87%
XYZ	32.8033, 20.4831, 5.0202
YIQ	114.9890, 95.9580, 23.0780

Conversions

Conversions Part 2

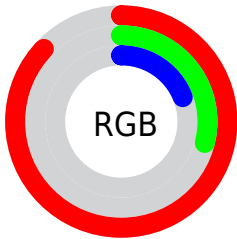
Format	Color
R_{YB}	221, 79, 48
Decimal	14502448
CIE _{Lab}	52.38, 55.98, 46.18
CIE _{LCh}	52, 72.572, 39.517
Yxy	20.4831, 0.5626, 0.3513
Android (android.graphics.Color)	4292692528 (0xFFDD4A30)
YUV	114.9890, -33.0256, 92.9716
Hunter-Lab	45.2583, 50.1752, 25.1041

Details

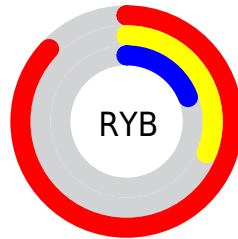
The Yxy color **20.4831, 0.5626, 0.3513** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **44.8817, 0.2194, 0.2915**, and the grayscale version is **17.2211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0698, 0.4884, 0.3622**, and **7.2713, 0.6393, 0.3295** is the 20% darker color. If you saturate the color by 10%, you get **18.2010, 0.5988, 0.3473**, and if you desaturate by 10%, it is **23.6067, 0.5201, 0.3525**.

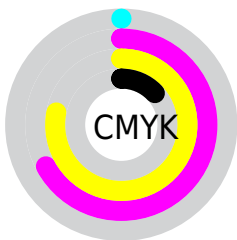
Distribution



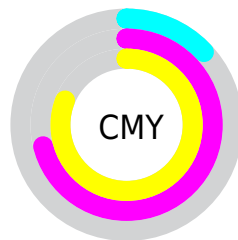
- Red (87%)
- Green (29%)
- Blue (19%)



- Red (87%)
- Yellow (31%)
- Blue (19%)



- Cyan (0%)
- Magenta (67%)
- Yellow (78%)
- Black (13%)





- Cyan (13%)
- Magenta (71%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4831, 0.5626, 0.3513 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 20.4831, 0.5626, 0.3513 by changing the saturation by 10% instead.


 20.4831, 0.5626,
0.3513


 20.4831, 0.5626,
0.3513


254.5185, 0.4257,
0.3535


 12.7467, 0.5969,
0.3438


 44.2257, 0.5117,
0.3568


 7.2544, 0.6396,
0.3297


 61.0006, 0.4927,
0.3573


 3.6217, 0.6950,
0.3050

 81.5572, 0.4768,
0.3572

 1.4643, 0.7464,
0.2536

 106.2798, 0.4634,
0.3567

 0.2634, 0.8771,
0.1229

 135.5529, 0.4518,
0.3560

 0.0000, 1.0000,
0.0000

 169.7608, 0.4419,

 0.0000, 0.0000,

0.3552

0.0000

209.2878, 0.4333,
0.3544

■ 20.4831, 0.5626,
0.3513

■ 20.4831, 0.5626,
0.3513

■ 18.2010, 0.5988,
0.3473

■ 23.6067, 0.5201,
0.3525

■ 16.6705, 0.6237,
0.3411


■ 27.6405, 0.4767,
0.3513


■ 16.4735, 0.6272,
0.3402


■ 32.6500, 0.4365,
0.3484


■ 38.6937, 0.4013,
0.3446

■ 45.8255, 0.3715,
0.3404

 54.0955, 0.3469,
0.3362

 63.5505, 0.3267,
0.3321

 74.2348, 0.3101,
0.3284

 86.1905, 0.2965,
0.3249

Harmonies

Analogous

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



20.4831, 0.5049, 0.2767



20.4831, 0.5626, 0.3513



20.4831, 0.5294, 0.4347

Triad

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



20.4831, 0.5626, 0.3513



20.4831, 0.2210, 0.5105



20.4831, 0.1626, 0.1517

Complementary

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



20.4831, 0.5626, 0.3513



44.8817, 0.2194, 0.2915

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.



20.4831, 0.1210, 0.1669



20.4831, 0.5626, 0.3513



20.4831, 0.1438, 0.3486

Square

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



20.4831, 0.5626, 0.3513



20.4831, 0.3299, 0.5788



20.4831, 0.1138, 0.2252



20.4831, 0.2466, 0.1677

Rectangle

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



20.4831, 0.5626, 0.3513



20.4831, 0.4739, 0.4955



20.4831, 0.1138, 0.2252



20.4831, 0.1445, 0.1530

Sweetspot

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



20.4843, 0.5626, 0.3513



69.0032, 0.3584, 0.3382



21.4298, 0.3517, 0.1850



13.8998, 0.3676, 0.3398



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.



20.4843, 0.5626, 0.3513



23.6917, 0.6162, 0.3433



40.8863, 0.4659, 0.4429



13.3658, 0.3288, 0.3326



9.6715, 0.6252, 0.3418



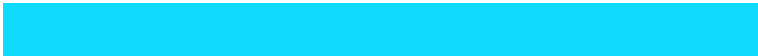
0.7283, 0.5977, 0.3636

Inverse Universe

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



44.8817, 0.2194, 0.2915



57.9730, 0.2125, 0.2827



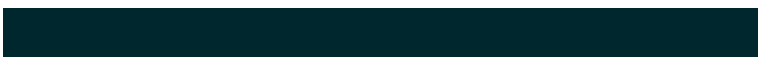
16.6905, 0.1841, 0.1560



14.4787, 0.2982, 0.3254



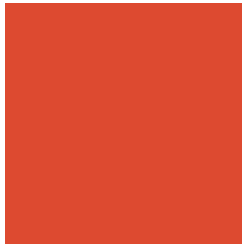
24.0053, 0.2113, 0.2808



1.6476, 0.2137, 0.2894

Previews

White Background



This preview shows how the Yxy color 20.4831, 0.5626, 0.3513 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 20.4831, 0.5626, 0.3513 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 20.4831, 0.5626, 0.3513

Background



This preview shows how black text looks on a background with the Yxy color 20.4831, 0.5626, 0.3513.



This preview shows how white text looks on a background with the Yxy color 20.4831, 0.5626, 0.3513.

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

20.4831, 0.5626, 0.3513

Protanopia

20.7696, 0.4002, 0.4374

Deuteranopia

20.4891, 0.4542, 0.4470



Tritanopia

20.5305, 0.5351, 0.3268

Trichromacy



Original Color

20.4831, 0.5626, 0.3513

Protanomaly

19.2559, 0.4646, 0.3997

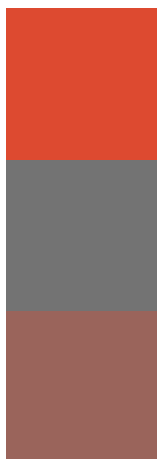
Deuteranomaly

19.5570, 0.4998, 0.4064

Tritanomaly

20.5460, 0.5461, 0.3360

Monochromacy



Original Color

20.4831, 0.5626, 0.3513

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.7397, 0.4068, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4831, 0.5626, 0.3513 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, 48)` looks like.

```
.text, #text, p{  
  color:rgb(221, 74, 48)  
}
```

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, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 74, 48) }
```

Border

The CSS property to change the border of an element to Yxy 20.4831, 0.5626, 0.3513 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, 48) }
```

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

```
.border{ border-color:rgb(221, 74, 48) }
```

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, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 74, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 74, 48);  
box-shadow:4px 4px 4px 4px rgb(221, 74,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4831, 0.5626, 0.3513 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, 48) }
```

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

```
.background{ background-color: rgb(221, 74,  
48) }
```

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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