

Converting Colors

$Y_{xy}(20.5503, 0.5603, 0.3497)$

Have a look what the booklet for
Yxy(20.5503, 0.5603, 0.3497)
contains.

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Color

Yxy(20.5000, 0.5606, 0.3499)

Conversions

Conversions Part 1

Format	Color
Hex	DD4A32
RGB	221, 74, 50
RGB Percent	87%, 29%, 20%
CMY	0.1333, 0.7098, 0.8039
CMYK	0.00, 0.67, 0.77, 0.13
HSL	8°, 72%, 53%
HSV	8°, 77%, 87%
XYZ	32.8445, 20.5000, 5.2436
YIQ	115.2170, 95.3160, 23.7000

Conversions

Conversions Part 2

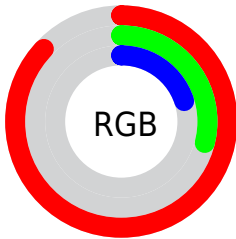
Format	Color
R_{YB}	221, 78, 50
Decimal	14502450
CIE _{Lab}	52.40, 56.05, 45.16
CIE _{LCh}	52, 71.981, 38.860
Yxy	20.5000, 0.5606, 0.3499
Android (android.graphics.Color)	4292692530 (0xFFDD4A32)
YUV	115.2170, -32.1520, 92.7717
Hunter-Lab	45.2769, 50.2518, 24.8273

Details

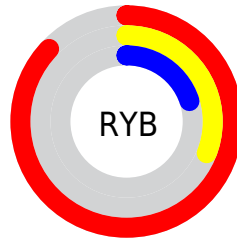
The Yxy color **20.5000, 0.5606, 0.3499** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **45.8333, 0.2206, 0.2945**, and the grayscale version is **17.2924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1071, 0.4864, 0.3604**, and **7.2757, 0.6376, 0.3286** is the 20% darker color. If you saturate the color by 10%, you get **18.1891, 0.5976, 0.3462**, and if you desaturate by 10%, it is **23.6712, 0.5175, 0.3509**.

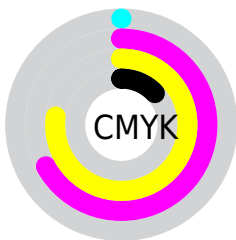
Distribution



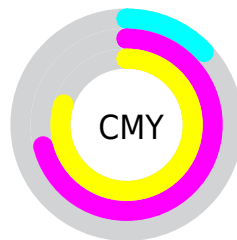
- Red (87%)
- Green (29%)
- Blue (20%)



- Red (87%)
- Yellow (31%)
- Blue (20%)



- Cyan (0%)
- Magenta (67%)
- Yellow (77%)
- Black (13%)





- Cyan (13%)
- Magenta (71%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5000, 0.5606, 0.3499 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 20.5000, 0.5606, 0.3499 by changing the saturation by 10% instead.


 20.5000, 0.5606,
0.3499


 20.5000, 0.5606,
0.3499


254.6092, 0.4244,
0.3524

 12.7590, 0.5950,
0.3425


 44.2539, 0.5098,
0.3554

 7.2628, 0.6376,
0.3285


 61.0356, 0.4909,
0.3559

 3.6270, 0.6951,
0.3049

 81.5997, 0.4752,
0.3559

 1.4672, 0.7465,
0.2535

 106.3305, 0.4618,
0.3554

 0.2655, 0.8766,
0.1234

 135.6124, 0.4504,
0.3548

 0.0000, 1.0000,
0.0000

 169.8300, 0.4405,

 0.0000, 0.0000,

0.3540

0.0000

209.3674, 0.4320,
0.3532

■ 20.5000, 0.5606,
0.3499

■ 20.5000, 0.5606,
0.3499

■ 18.1891, 0.5976,
0.3462

■ 23.6712, 0.5175,
0.3509

■ 16.6477, 0.6233,
0.3404

■ 27.7732, 0.4739,
0.3496

■ 16.3538, 0.6285,
0.3391

■ 32.8733, 0.4337,
0.3469


■ 39.0316, 0.3987,
0.3432

■ 46.3033, 0.3693,
0.3393

 54.7397, 0.3450,
0.3354

 64.3891, 0.3250,
0.3316

 75.2968, 0.3088,
0.3281

 87.5060, 0.2954,
0.3249

Harmonies

Analogous

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



20.5000, 0.5011, 0.2757



20.5000, 0.5606, 0.3499



20.5000, 0.5297, 0.4327

Triad

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



20.5000, 0.5606, 0.3499



20.5000, 0.2240, 0.5117



20.5000, 0.1622, 0.1527

Complementary

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



20.5000, 0.5606, 0.3499



45.8333, 0.2206, 0.2945

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.



20.5000, 0.1216, 0.1687



20.5000, 0.5606, 0.3499



20.5000, 0.1461, 0.3520

Square

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



20.5000, 0.5606, 0.3499



20.5000, 0.3328, 0.5766



20.5000, 0.1151, 0.2281



20.5000, 0.2448, 0.1680

Rectangle

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



20.5000, 0.5606, 0.3499



20.5000, 0.4753, 0.4929



20.5000, 0.1151, 0.2281



20.5000, 0.1445, 0.1543

Sweetspot

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



20.5012, 0.5606, 0.3499



68.7242, 0.3585, 0.3376



21.7410, 0.3475, 0.1835



13.8341, 0.3678, 0.3391



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.



20.5012, 0.5606, 0.3499



23.6826, 0.6155, 0.3427



40.1608, 0.4671, 0.4396



13.3448, 0.3288, 0.3323



9.5972, 0.6267, 0.3406



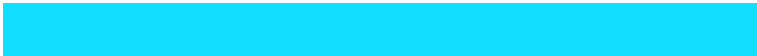
0.7184, 0.6002, 0.3617

Inverse Universe

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



45.8333, 0.2206, 0.2945



59.4388, 0.2137, 0.2864



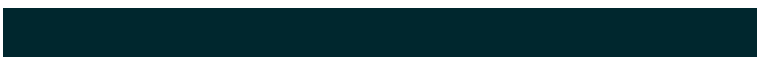
17.6431, 0.1863, 0.1624



14.5017, 0.2982, 0.3256



24.5475, 0.2123, 0.2841



1.6778, 0.2145, 0.2921

Previews

White Background



This preview shows how the Yxy color 20.5000, 0.5606, 0.3499 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 20.5000, 0.5606, 0.3499 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 20.5000, 0.5606, 0.3499

Background



This preview shows how black text looks on a background with the Yxy color 20.5000, 0.5606, 0.3499.



This preview shows how white text looks on a background with the Yxy color 20.5000, 0.5606, 0.3499.

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

20.5000, 0.5606, 0.3499

Protanopia

20.7923, 0.3983, 0.4344

Deuteranopia

20.5082, 0.4521, 0.4443



Tritanopia

20.5441, 0.5337, 0.3259

Trichromacy



Original Color

20.5000, 0.5606, 0.3499

Protanomaly

19.2767, 0.4623, 0.3972

Deuteranomaly

19.5782, 0.4973, 0.4038

Tritanomaly

20.5577, 0.5449, 0.3351

Monochromacy



Original Color

20.5000, 0.5606, 0.3499

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 20.5000, 0.5606, 0.3499 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(221, 74, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 74, 50) }
```

Border

The CSS property to change the border of an element to Yxy 20.5000, 0.5606, 0.3499 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, 50) }
```

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

```
.border{ border-color:rgb(221, 74, 50) }
```

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, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 74, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 74, 50);  
box-shadow:4px 4px 4px 4px rgb(221, 74,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5000, 0.5606, 0.3499 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, 50) }
```

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

```
.background{ background-color: rgb(221, 74,  
50) }
```

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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