

Converting Colors

$Y_{xy}(21.0210, 0.5568, 0.3564)$

Have a look what the booklet for
Yxy(21.0210, 0.5568, 0.3564)
contains.

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Color

$\text{Yxy}(21.0210, 0.5568, 0.3564)$

Conversions

Conversions Part 1

Format	Color
Hex	DC4F30
RGB	220, 79, 48
RGB Percent	86%, 31%, 19%
CMY	0.1373, 0.6901, 0.8119
CMYK	0.00, 0.64, 0.78, 0.14
HSL	11°, 71%, 53%
HSV	11°, 78%, 86%
XYZ	32.8409, 21.0210, 5.1196
YIQ	117.6250, 93.9870, 20.2510

Conversions

Conversions Part 2

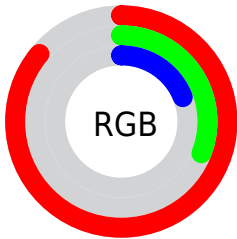
Format	Color
R_{YB}	220, 86, 48
Decimal	14438192
CIE Lab	52.97, 53.56, 46.73
CIE LCh	53, 71.082, 41.105
Yxy	21.0210, 0.5568, 0.3564
Android (android.graphics.Color)	4292628272 (0xFFDC4F30)
YUV	117.6250, -34.3251, 89.7829
Hunter-Lab	45.8487, 47.6224, 25.4736

Details

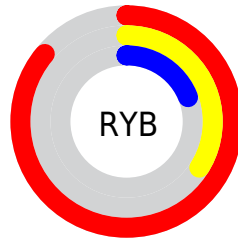
The Yxy color **21.0210, 0.5568, 0.3564** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **42.1588, 0.2175, 0.2837**, and the grayscale version is **18.0828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1547, 0.4852, 0.3662**, and **7.5097, 0.6314, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **18.6252, 0.5928, 0.3520**, and if you desaturate by 10%, it is **24.2143, 0.5152, 0.3575**.

Distribution



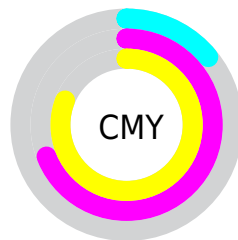
- Red (86%)
- Green (31%)
- Blue (19%)



- Red (86%)
- Yellow (34%)
- Blue (19%)



- Cyan (0%)
- Magenta (64%)
- Yellow (78%)
- Black (14%)





- Cyan (14%)
- Magenta (69%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0210, 0.5568, 0.3564 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 21.0210, 0.5568, 0.3564 by changing the saturation by 10% instead.


 21.0210, 0.5568,
0.3564


 21.0210, 0.5568,
0.3564


257.3901, 0.4235,
0.3555


 13.1394, 0.5901,
0.3498


 45.1225, 0.5074,
0.3606

 7.5246, 0.6313,
0.3370


 62.1111, 0.4889,
0.3607

 3.7923, 0.6856,
0.3144

 82.9042, 0.4734,
0.3603

 1.5581, 0.7350,
0.2650

 107.8861, 0.4603,
0.3595

 0.3291, 0.8514,
0.1486

 137.4412, 0.4491,
0.3585

 0.0000, 1.0000,
0.0000

 171.9540, 0.4394,

 0.0000, 0.0000,

0.3575

0.0000

211.8088, 0.4309,
0.3565

■ 21.0210, 0.5568,
0.3564

■ 21.0210, 0.5568,
0.3564

■ 18.6252, 0.5928,
0.3520

■ 24.2143, 0.5152,
0.3575

■ 16.9477, 0.6187,
0.3450

■ 28.2652, 0.4731,
0.3558


■ 16.7118, 0.6226,
0.3438

■ 33.2318, 0.4340,
0.3522


■ 39.1662, 0.3997,
0.3476

■ 46.1164, 0.3707,
0.3426

 54.1273, 0.3464,
0.3375

 63.2409, 0.3264,
0.3327

 73.4972, 0.3100,
0.3282

 84.9338, 0.2964,
0.3241

Harmonies

Analogous

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



21.0210, 0.5048, 0.2822



21.0210, 0.5568, 0.3564



21.0210, 0.5218, 0.4390

Triad

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



21.0210, 0.5568, 0.3564



21.0210, 0.2189, 0.4972



21.0210, 0.1690, 0.1554

Complementary

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



21.0210, 0.5568, 0.3564



42.1588, 0.2175, 0.2837

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.



21.0210, 0.1260, 0.1688



21.0210, 0.5568, 0.3564



21.0210, 0.1451, 0.3406

Square

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



21.0210, 0.5568, 0.3564



21.0210, 0.3252, 0.5715



21.0210, 0.1173, 0.2239



21.0210, 0.2542, 0.1726

Rectangle

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



21.0210, 0.5568, 0.3564



21.0210, 0.4668, 0.4979



21.0210, 0.1173, 0.2239



21.0210, 0.1505, 0.1562

Sweetspot

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



21.0222, 0.5568, 0.3564



69.8575, 0.3580, 0.3400



21.1003, 0.3555, 0.1875



14.1011, 0.3671, 0.3419



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.



21.0222, 0.5568, 0.3564



24.3799, 0.6110, 0.3475



41.4955, 0.4627, 0.4457



13.4298, 0.3287, 0.3333



9.9259, 0.6204, 0.3456



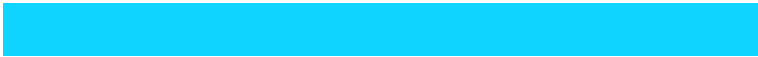
0.7584, 0.5904, 0.3694

Inverse Universe

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



42.1588, 0.2175, 0.2837



54.2732, 0.2098, 0.2729



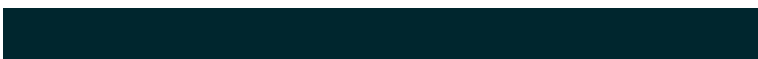
15.9603, 0.1831, 0.1521



14.4088, 0.2982, 0.3247



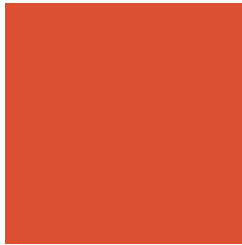
22.4066, 0.2085, 0.2705



1.5581, 0.2114, 0.2811

Previews

White Background



This preview shows how the Yxy color 21.0210, 0.5568, 0.3564 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 21.0210, 0.5568, 0.3564 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 21.0210, 0.5568, 0.3564

Background



This preview shows how black text looks on a background with the Yxy color 21.0210, 0.5568, 0.3564.



This preview shows how white text looks on a background with the Yxy color 21.0210, 0.5568, 0.3564.

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

21.0210, 0.5568, 0.3564

Protanopia

21.1893, 0.4029, 0.4391

Deuteranopia

21.1792, 0.4534, 0.4472



Tritanopia

20.9688, 0.5242, 0.3257

Trichromacy



Original Color

21.0210, 0.5568, 0.3564

Protanomaly

19.9933, 0.4633, 0.4047

Deuteranomaly

20.2919, 0.4960, 0.4089

Tritanomaly

20.9584, 0.5381, 0.3372

Monochromacy



Original Color

21.0210, 0.5568, 0.3564

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.6595, 0.4025, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0210, 0.5568, 0.3564 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(220, 79, 48)` looks like.

```
.text, #text, p{  
    color:rgb(220, 79, 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(220, 79, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 79, 48) }
```

Border

The CSS property to change the border of an element to Yxy 21.0210, 0.5568, 0.3564 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(220, 79, 48) }
```

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

```
.border{ border-color:rgb(220, 79, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 79, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 79, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 79, 48);  
box-shadow:4px 4px 4px 4px rgb(220, 79,  
48) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.0210, 0.5568, 0.3564$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 79, 48) }
```

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

```
.background{ background-color: rgb(220, 79,  
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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