

Converting Colors

$Y_{xy}(21.4322, 0.5709, 0.3653)$

Have a look what the booklet for
Yxy(21.4322, 0.5709, 0.3653)
contains.

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Color

Yxy(21.3842, 0.5715, 0.3649)

Conversions

Conversions Part 1

Format	Color
Hex	DF4F20
RGB	223, 79, 32
RGB Percent	87%, 31%, 13%
CMY	0.1254, 0.6902, 0.8746
CMYK	0.00, 0.65, 0.86, 0.13
HSL	15°, 75%, 50%
HSV	15°, 86%, 87%
XYZ	33.4916, 21.3842, 3.7271
YIQ	116.6980, 100.9110, 15.9110

Conversions

Conversions Part 2

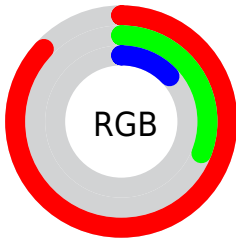
Format	Color
R_{YB}	223, 94, 32
Decimal	14634784
CIE _{Lab}	53.37, 54.16, 54.66
CIE _{LCh}	53, 76.949, 45.263
Yxy	21.3842, 0.5715, 0.3649
Android (android.graphics.Color)	4292824864 (0xFFDF4F20)
YUV	116.6980, -41.7561, 93.2269
Hunter-Lab	46.2431, 48.3534, 27.5914

Details

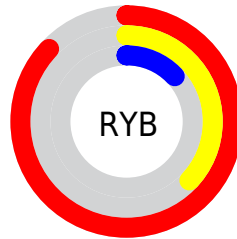
The Yxy color **21.3842, 0.5715, 0.3649** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **36.6862, 0.2081, 0.2593**, and the grayscale version is **17.7978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9194, 0.4979, 0.3779**, and **7.7877, 0.6324, 0.3361** is the 20% darker color. If you saturate the color by 10%, you get **19.1764, 0.6003, 0.3572**, and if you desaturate by 10%, it is **24.2897, 0.5351, 0.3685**.

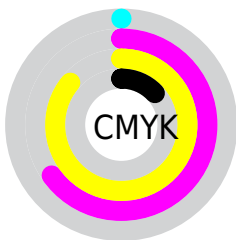
Distribution



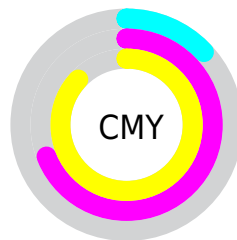
- Red (87%)
- Green (31%)
- Blue (13%)



- Red (87%)
- Yellow (37%)
- Blue (13%)



- Cyan (0%)
- Magenta (65%)
- Yellow (86%)
- Black (13%)





- Cyan (13%)
- Magenta (69%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3842, 0.5715, 0.3649 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 21.3842, 0.5715, 0.3649 by changing the saturation by 10% instead.


 21.3842, 0.5715,
0.3649


 21.3842, 0.5715,
0.3649


259.3133, 0.4335,
0.3632


 13.4051, 0.6036,
0.3570

 45.7261, 0.5218,
0.3700


 7.7081, 0.6465,
0.3445


 62.8577, 0.5027,
0.3700


 3.9087, 0.6857,
0.3143

 83.8089, 0.4866,
0.3694

 1.6226, 0.7345,
0.2655

 108.9642, 0.4727,
0.3684

 0.3728, 0.8417,
0.1583

 138.7078, 0.4608,
0.3672

 0.0000, 1.0000,
0.0000

 173.4243, 0.4505,

 0.0000, 0.0000,

0.3658

0.0000

213.4980, 0.4415,
0.3645

21.3842, 0.5715,
0.3649

21.3842, 0.5715,
0.3649

19.1764, 0.6003,
0.3572

24.2897, 0.5351,
0.3685

18.4118, 0.6105,
0.3535

27.9457, 0.4955,
0.3681

32.4035, 0.4567,
0.3646

37.7087, 0.4210,
0.3591

43.9033, 0.3897,
0.3525

■ 51.0262, 0.3631,
0.3457

■ 59.1142, 0.3406,
0.3389

■ 68.2020, 0.3219,
0.3324

■ 78.3225, 0.3063,
0.3265

Harmonies

Analogous

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



21.3842, 0.5324, 0.2880



21.3842, 0.5715, 0.3649



21.3842, 0.5206, 0.4528

Triad

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



21.3842, 0.5715, 0.3649



21.3842, 0.1975, 0.4903



21.3842, 0.1703, 0.1472

Complementary

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



21.3842, 0.5715, 0.3649



36.6862, 0.2081, 0.2593

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.



21.3842, 0.1208, 0.1557



21.3842, 0.5715, 0.3649



21.3842, 0.1284, 0.3180

Square

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



21.3842, 0.5715, 0.3649



21.3842, 0.3056, 0.5893



21.3842, 0.1067, 0.2045



21.3842, 0.2660, 0.1692

Rectangle

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



21.3842, 0.5715, 0.3649



21.3842, 0.4572, 0.5167



21.3842, 0.1067, 0.2045



21.3842, 0.1493, 0.1465

Sweetspot

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



21.3854, 0.5715, 0.3649



68.5917, 0.3644, 0.3460



19.9543, 0.3785, 0.1935



13.9344, 0.3733, 0.3484



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.



21.3854, 0.5715, 0.3649



24.7880, 0.6116, 0.3526



45.3271, 0.4615, 0.4601



14.2457, 0.3286, 0.3348



10.9740, 0.6079, 0.3555



0.9005, 0.5777, 0.3795

Inverse Universe

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



36.6862, 0.2081, 0.2593



45.0266, 0.2016, 0.2456



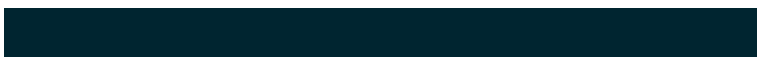
11.8097, 0.1700, 0.1181



14.9710, 0.2982, 0.3231



19.8116, 0.2021, 0.2476



1.5110, 0.2060, 0.2616

Previews

White Background



This preview shows how the Yxy color 21.3842, 0.5715, 0.3649 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 21.3842, 0.5715, 0.3649 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 21.3842, 0.5715, 0.3649

Background



This preview shows how black text looks on a background with the Yxy color 21.3842, 0.5715, 0.3649.



This preview shows how white text looks on a background with the Yxy color 21.3842, 0.5715, 0.3649.

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

21.3842, 0.5715, 0.3649

Protanopia

21.4598, 0.4198, 0.4619

Deuteranopia

21.3561, 0.4718, 0.4636



Tritanopia

21.2949, 0.5289, 0.3258

Trichromacy



Original Color

21.3842, 0.5715, 0.3649

Protanomaly

20.0757, 0.4814, 0.4207

Deuteranomaly

20.5250, 0.5152, 0.4232

Tritanomaly

21.3531, 0.5488, 0.3430

Monochromacy



Original Color

21.3842, 0.5715, 0.3649

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.4403, 0.4149, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3842, 0.5715, 0.3649 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(223, 79, 32)` looks like.

```
.text, #text, p{  
    color:rgb(223, 79, 32)  
}
```

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(223, 79, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 79, 32) }
```

Border

The CSS property to change the border of an element to Yxy 21.3842, 0.5715, 0.3649 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(223, 79, 32) }
```

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

```
.border{ border-color:rgb(223, 79, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 79, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 79, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 79, 32);  
box-shadow:4px 4px 4px 4px rgb(223, 79,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3842, 0.5715, 0.3649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 79, 32) }
```

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

```
.background{ background-color: rgb(223, 79,  
32) }
```

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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