

Converting Colors

$Y_{xy}(21.7338, 0.5685, 0.3828)$

Have a look what the booklet for
Yxy(21.7338, 0.5685, 0.3828)
contains.

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Color

Yxy(21.7415, 0.5693, 0.3824)

Conversions

Conversions Part 1

Format	Color
Hex	DA5709
RGB	218, 87, 9
RGB Percent	85%, 34%, 4%
CMY	0.1451, 0.6587, 0.9651
CMYK	0.00, 0.60, 0.96, 0.15
HSL	22°, 92%, 44%
HSV	22°, 96%, 85%
XYZ	32.3678, 21.7415, 2.7461
YIQ	117.2770, 103.1140, 3.5140

Conversions

Conversions Part 2

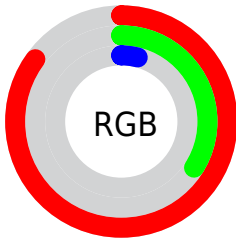
Format	Color
RYB	218, 133, 9
Decimal	14309129
CIELab	53.75, 48.51, 61.61
CIELCh	54, 78.415, 51.784
Yxy	21.7415, 0.5693, 0.3824
Android (android.graphics.Color)	4292499209 (0xFFDA5709)
YUV	117.2770, -53.3806, 88.3341
Hunter-Lab	46.6278, 42.3114, 29.1476

Details

The Yxy color **21.7415, 0.5693, 0.3824** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **23.8369, 0.1912, 0.2060**, and the grayscale version is **18.0237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7150, 0.5030, 0.3955**, and **7.9485, 0.6157, 0.3494** is the 20% darker color. If you saturate the color by 10%, you get **20.8545, 0.5788, 0.3786**, and if you desaturate by 10%, it is **24.2453, 0.5430, 0.3898**.

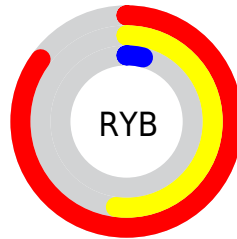
Distribution



Red (85%)

Green (34%)

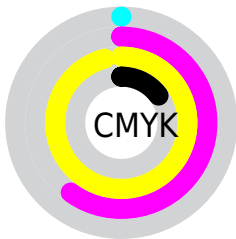
Blue (4%)



Red (85%)

Yellow (52%)

Blue (4%)

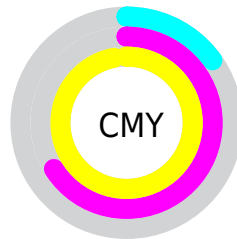


Cyan (0%)

Magenta (60%)

Yellow (96%)

Black (15%)



Cyan (15%)


Magenta (66%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7415, 0.5693, 0.3824 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 21.7415, 0.5693, 0.3824 by changing the saturation by 10% instead.


 21.7415, 0.5693,
0.3824


 21.7415, 0.5693,
0.3824


261.1933, 0.4358,
0.3738


 13.6671, 0.5983,
0.3751


 46.3184, 0.5226,
0.3858

 7.8895, 0.6367,
0.3633


 63.5896, 0.5042,
0.3850

 4.0243, 0.6675,
0.3325

 84.6953, 0.4885,
0.3835

 1.6872, 0.7133,
0.2867

 110.0197, 0.4749,
0.3816

 0.4153, 0.8138,
0.1862

 139.9474, 0.4631,
0.3796

 0.0000, 1.0000,
0.0000


 174.8626, 0.4528,


 0.0000, 0.0000,


0.3776

0.0000


 215.1498, 0.4438,
0.3757


 21.7415, 0.5693,
0.3824


 21.7415, 0.5693,
0.3824

 20.8545, 0.5788,
0.3786

 24.2453, 0.5430,
0.3898

 27.2651, 0.5118,
0.3920

 30.8361, 0.4782,
0.3894

 34.9883, 0.4450,
0.3831

 39.7492, 0.4140,
0.3744

■ 45.1442, 0.3860,
0.3646

■ 51.1969, 0.3615,
0.3543

■ 57.9299, 0.3403,
0.3441

■ 65.3644, 0.3222,
0.3344

Harmonies

Analogous

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



21.7415, 0.5527, 0.3034



21.7415, 0.5693, 0.3824



21.7415, 0.5029, 0.4741

Triad

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



21.7415, 0.5693, 0.3824



21.7415, 0.1764, 0.4545



21.7415, 0.1855, 0.1479

Complementary

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



21.7415, 0.5693, 0.3824



23.8369, 0.1912, 0.2060

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.



21.7415, 0.1266, 0.1493



21.7415, 0.5693, 0.3824



21.7415, 0.1182, 0.2857

Square

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



21.7415, 0.5693, 0.3824



21.7415, 0.2795, 0.5851



21.7415, 0.1053, 0.1877



21.7415, 0.2931, 0.1763

Rectangle

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



21.7415, 0.5693, 0.3824



21.7415, 0.4341, 0.5382



21.7415, 0.1053, 0.1877



21.7415, 0.1610, 0.1450

Sweetspot

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



21.7427, 0.5693, 0.3824



70.0418, 0.3693, 0.3577



17.0294, 0.4355, 0.2192



14.2009, 0.3799, 0.3622



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.



21.7427, 0.5693, 0.3824



29.4936, 0.5804, 0.3774



51.7972, 0.4432, 0.4843



13.8446, 0.3282, 0.3378



12.6859, 0.5762, 0.3807



0.9841, 0.5455, 0.4051

Inverse Universe

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



23.8369, 0.1912, 0.2060



32.2672, 0.1886, 0.1991



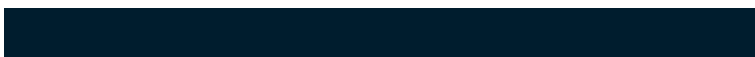
6.4283, 0.1548, 0.0741



13.9694, 0.2982, 0.3201



13.8879, 0.1896, 0.2024



1.0630, 0.1959, 0.2253

Previews

White Background



This preview shows how the Yxy color 21.7415, 0.5693, 0.3824 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 21.7415, 0.5693, 0.3824 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 21.7415, 0.5693, 0.3824

Background



This preview shows how black text looks on a background with the Yxy color 21.7415, 0.5693, 0.3824.



This preview shows how white text looks on a background with the Yxy color 21.7415, 0.5693, 0.3824.

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

21.7415, 0.5693, 0.3824

Protanopia

21.7821, 0.4331, 0.4793

Deuteranopia

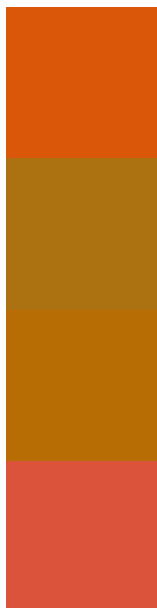
21.7056, 0.4715, 0.4638



Tritanopia

21.7724, 0.5086, 0.3244

Trichromacy



Original Color

21.7415, 0.5693, 0.3824

Protanomaly

20.8490, 0.4885, 0.4402

Deuteranomaly

21.0111, 0.5121, 0.4301

Tritanomaly

21.5521, 0.5418, 0.3531

Monochromacy



Original Color

21.7415, 0.5693, 0.3824

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.7282, 0.4210, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7415, 0.5693, 0.3824 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(218, 87, 9)` looks like.

```
.text, #text, p{  
    color:rgb(218, 87, 9)  
}
```

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(218, 87, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 87, 9) }
```

Border

The CSS property to change the border of an element to Yxy 21.7415, 0.5693, 0.3824 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(218, 87, 9) }
```

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

```
.border{ border-color:rgb(218, 87, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 87, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 87, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 87, 9);  
box-shadow:4px 4px 4px 4px rgb(218, 87, 9)  
}
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.7415, 0.5693, 0.3824$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 87, 9) }
```

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

```
.background{ background-color: rgb(218, 87,  
9) }
```

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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