

Converting Colors

$Y_{xy}(21.4020, 0.5792, 0.3621)$

Have a look what the booklet for
Yxy(21.4020, 0.5792, 0.3621)
contains.

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Color

Yxy(21.2896, 0.5793, 0.3617)

Conversions

Conversions Part 1

Format	Color
Hex	E24B1D
RGB	226, 75, 29
RGB Percent	89%, 29%, 11%
CMY	0.1138, 0.7058, 0.8864
CMYK	0.00, 0.67, 0.87, 0.11
HSL	14°, 77%, 50%
HSV	14°, 87%, 89%
XYZ	34.0975, 21.2896, 3.4727
YIQ	114.9050, 104.7620, 17.7060

Conversions

Conversions Part 2

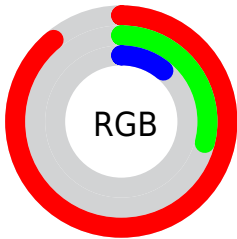
Format	Color
R_{YB}	226, 89, 29
Decimal	14830365
CIE Lab	53.26, 56.72, 56.00
CIE LCh	53, 79.704, 44.633
Yxy	21.2896, 0.5793, 0.3617
Android (android.graphics.Color)	4293020445 (0xFFE24B1D)
YUV	114.9050, -42.3512, 97.4303
Hunter-Lab	46.1407, 51.1636, 27.8361

Details

The Yxy color **21.2896, 0.5793, 0.3617** 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 **38.3622, 0.2083, 0.2616**, and the grayscale version is **17.2241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0571, 0.5032, 0.3772**, and **7.7031, 0.6395, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **19.1774, 0.6066, 0.3537**, and if you desaturate by 10%, it is **24.1244, 0.5435, 0.3660**.

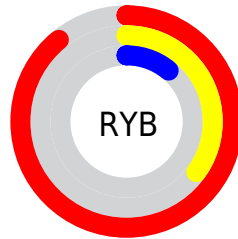
Distribution



Red (89%)

Green (29%)

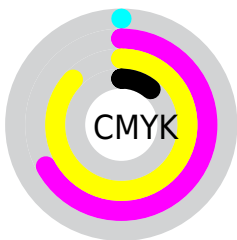
Blue (11%)



Red (89%)

Yellow (35%)

Blue (11%)

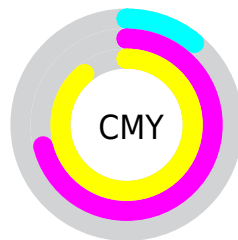


Cyan (0%)

Magenta (67%)

Yellow (87%)

Black (11%)



Cyan (11%)


Magenta (71%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2896, 0.5793, 0.3617 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 21.2896, 0.5793, 0.3617 by changing the saturation by 10% instead.


 21.2896, 0.5793,
0.3617


 21.2896, 0.5793,
0.3617


258.8136, 0.4377,
0.3629

 13.3359, 0.6118,
0.3527


 45.5690, 0.5286,
0.3682


 7.6602, 0.6564,
0.3394


 62.6635, 0.5091,
0.3687


 3.8783, 0.6934,
0.3066

 83.5736, 0.4924,
0.3684

 1.6057, 0.7433,
0.2567

 108.6839, 0.4782,
0.3676

 0.3615, 0.8517,
0.1483

 138.3786, 0.4660,
0.3665


 0.0000, 1.0000,
0.0000

 173.0422, 0.4553,


 0.0000, 0.0000,

0.3654

0.0000

 213.0590, 0.4459,
0.3641


 21.2896, 0.5793,
0.3617


 21.2896, 0.5793,
0.3617


 19.1774, 0.6066,
0.3537

 24.1244, 0.5435,
0.3660

 18.6967, 0.6131,
0.3514

 27.7415, 0.5036,
0.3663

 32.1973, 0.4638,
0.3634

 37.5415, 0.4271,
0.3585

 43.8200, 0.3947,
0.3524

■ 51.0753, 0.3671,
0.3459

■ 59.3472, 0.3439,
0.3394

■ 68.6733, 0.3246,
0.3332

■ 79.0894, 0.3085,
0.3274

Harmonies

Analogous

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



21.2896, 0.5381, 0.2841



21.2896, 0.5793, 0.3617



21.2896, 0.5265, 0.4512

Triad

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



21.2896, 0.5793, 0.3617



21.2896, 0.1949, 0.5009



21.2896, 0.1649, 0.1427

Complementary

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



21.2896, 0.5793, 0.3617



38.3622, 0.2083, 0.2616

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.



21.2896, 0.1156, 0.1516



21.2896, 0.5793, 0.3617



21.2896, 0.1241, 0.3200

Square

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



21.2896, 0.5793, 0.3617



21.2896, 0.3057, 0.5998



21.2896, 0.1019, 0.2018



21.2896, 0.2616, 0.1643

Rectangle

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



21.2896, 0.5793, 0.3617



21.2896, 0.4611, 0.5179



21.2896, 0.1019, 0.2018



21.2896, 0.1439, 0.1420

Sweetspot

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



21.2909, 0.5793, 0.3617



68.2021, 0.3646, 0.3452



20.3390, 0.3799, 0.1930



13.8440, 0.3735, 0.3475



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.



21.2909, 0.5793, 0.3617



24.4517, 0.6141, 0.3506



46.3129, 0.4635, 0.4605



14.2180, 0.3286, 0.3345



10.8195, 0.6105, 0.3534



0.8863, 0.5805, 0.3773

Inverse Universe

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



38.3622, 0.2083, 0.2616



46.4223, 0.2028, 0.2500



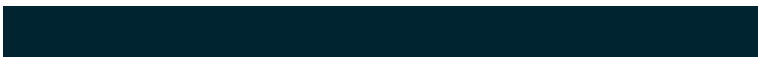
11.7116, 0.1684, 0.1146



15.0006, 0.2982, 0.3234



20.4089, 0.2033, 0.2520



1.5479, 0.2070, 0.2652

Previews

White Background



This preview shows how the Yxy color 21.2896, 0.5793, 0.3617 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 21.2896, 0.5793, 0.3617 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 21.2896, 0.5793, 0.3617

Background



This preview shows how black text looks on a background with the Yxy color 21.2896, 0.5793, 0.3617.



This preview shows how white text looks on a background with the Yxy color 21.2896, 0.5793, 0.3617.

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

21.2896, 0.5793, 0.3617

Protanopia

21.4451, 0.4212, 0.4640

Deuteranopia

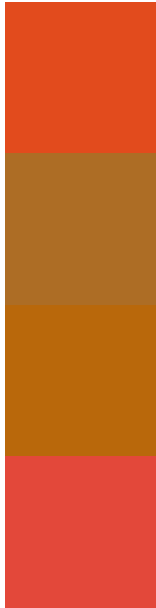
21.2518, 0.4707, 0.4645



Tritanopia

21.3318, 0.5390, 0.3270

Trichromacy



Original Color

21.2896, 0.5793, 0.3617

Protanomaly

19.9551, 0.4862, 0.4212

Deuteranomaly

20.2391, 0.5195, 0.4202

Tritanomaly

21.2711, 0.5579, 0.3414

Monochromacy



Original Color

21.2896, 0.5793, 0.3617

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.7230, 0.4188, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2896, 0.5793, 0.3617 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(226, 75, 29)` looks like.

```
.text, #text, p{  
    color:rgb(226, 75, 29)  
}
```

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(226, 75, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 75, 29) }
```

Border

The CSS property to change the border of an element to Yxy 21.2896, 0.5793, 0.3617 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(226, 75, 29) }
```

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

```
.border{ border-color:rgb(226, 75, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 75, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 75, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 75, 29);  
box-shadow:4px 4px 4px 4px rgb(226, 75,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2896, 0.5793, 0.3617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 75, 29) }
```

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

```
.background{ background-color: rgb(226, 75,  
29) }
```

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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