

Converting Colors

$Y_{xy}(17.7206, 0.5951, 0.3533)$

Have a look what the booklet for
Yxy(17.7206, 0.5951, 0.3533)
contains.

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Color

Yxy(17.6329, 0.5951, 0.3529)

Conversions

Conversions Part 1

Format	Color
Hex	D73B16
RGB	215, 59, 22
RGB Percent	84%, 23%, 9%
CMY	0.1568, 0.7686, 0.9135
CMYK	0.00, 0.73, 0.90, 0.16
HSL	11°, 81%, 46%
HSV	11°, 90%, 84%
XYZ	29.7346, 17.6329, 2.5982
YIQ	101.4260, 104.8530, 21.5650

Conversions

Conversions Part 2

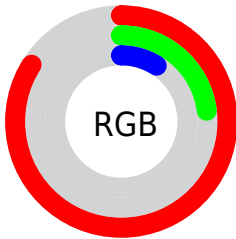
Format	Color
RYB	215, 68, 22
Decimal	14105366
CIELab	49.05, 59.05, 54.57
CIELCh	49, 80.403, 42.744
Yxy	17.6329, 0.5951, 0.3529
Android (android.graphics.Color)	4292295446 (0xFFD73B16)
YUV	101.4260, -39.1570, 99.6044
Hunter-Lab	41.9915, 52.9123, 25.7255

Details

The Yxy color **17.6329, 0.5951, 0.3529** 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 **36.9425, 0.2107, 0.2729**, and the grayscale version is **13.2151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2187, 0.5229, 0.3678**, and **6.5793, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.0779, 0.6200, 0.3456**, and if you desaturate by 10%, it is **19.8484, 0.5604, 0.3579**.

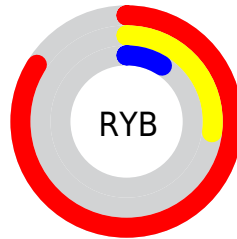
Distribution



Red (84%)

Green (23%)

Blue (9%)



Red (84%)

Yellow (27%)

Blue (9%)

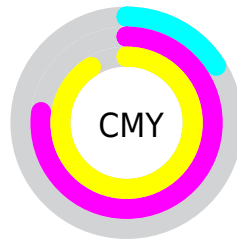


Cyan (0%)

Magenta (73%)

Yellow (90%)

Black (16%)



Cyan (16%)


Magenta (77%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6329, 0.5951, 0.3529 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 17.6329, 0.5951, 0.3529 by changing the saturation by 10% instead.


 17.6329, 0.5951,
0.3529


 17.6329, 0.5951,
0.3529


238.7937, 0.4417,
0.3605


 10.6868, 0.6308,
0.3407


 39.4108, 0.5396,
0.3627


 5.8566, 0.6782,
0.3218

 55.0113, 0.5183,
0.3641


 2.7581, 0.7189,
0.2811

 74.2655, 0.5003,
0.3644

 1.0068, 0.7787,
0.2213

 97.5576, 0.4849,
0.3641

 0.0000, 1.0000,
0.0000


 125.2720, 0.4718,
0.3634

 0.0000, 0.0000,
0.0000

 157.7933, 0.4604,


0.3625

 195.5057, 0.4504,
0.3615

 17.6329, 0.5951,
0.3529


 17.6329, 0.5951,
0.3529


 16.0779, 0.6200,
0.3456


 19.8484, 0.5604,
0.3579

 16.0452, 0.6206,
0.3454

 22.7944, 0.5197,
0.3594

 26.5309, 0.4779,
0.3579

 31.1104, 0.4387,
0.3543

 36.5808, 0.4041,
0.3495

■ 42.9865, 0.3745,
0.3442

■ 50.3687, 0.3497,
0.3388

■ 58.7662, 0.3292,
0.3337

■ 68.2158, 0.3123,
0.3289

Harmonies

Analogous

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



17.6329, 0.5470, 0.2746



17.6329, 0.5951, 0.3529



17.6329, 0.5408, 0.4454

Triad

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



17.6329, 0.5951, 0.3529



17.6329, 0.1920, 0.5276



17.6329, 0.1526, 0.1336

Complementary

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



17.6329, 0.5951, 0.3529



36.9425, 0.2107, 0.2729

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.



17.6329, 0.1050, 0.1442



17.6329, 0.5951, 0.3529



17.6329, 0.1166, 0.3282

Square

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



17.6329, 0.5951, 0.3529



17.6329, 0.3080, 0.6203



17.6329, 0.0927, 0.1982



17.6329, 0.2496, 0.1540

Rectangle

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



17.6329, 0.5951, 0.3529



17.6329, 0.4728, 0.5185



17.6329, 0.0927, 0.1982



17.6329, 0.1321, 0.1335

Sweetspot

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



17.6340, 0.5951, 0.3529



65.8118, 0.3679, 0.3429



18.3040, 0.3673, 0.1841



13.3305, 0.3771, 0.3447



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.



17.6340, 0.5951, 0.3529



23.4421, 0.6219, 0.3444



37.5855, 0.4772, 0.4516



12.8018, 0.3286, 0.3335



9.7129, 0.6184, 0.3472



0.7014, 0.5857, 0.3731

Inverse Universe

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



36.9425, 0.2107, 0.2729



51.4467, 0.2070, 0.2651



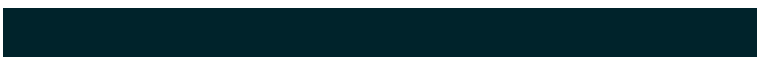
11.2884, 0.1695, 0.1219



13.6849, 0.2983, 0.3244



21.1508, 0.2075, 0.2668



1.3820, 0.2108, 0.2787

Previews

White Background



This preview shows how the Yxy color 17.6329, 0.5951, 0.3529 looks on a white 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

Black Background



This preview shows how the Yxy color 17.6329, 0.5951, 0.3529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

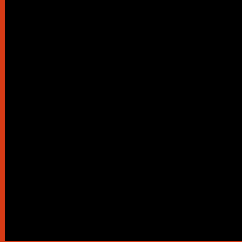
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.6329, 0.5951, 0.3529

Background



This preview shows how black text looks on a background with the Yxy color 17.6329, 0.5951, 0.3529.



This preview shows how white text looks on a background with the Yxy color 17.6329, 0.5951, 0.3529.

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

17.6329, 0.5951, 0.3529

Protanopia

17.9095, 0.4214, 0.4671

Deuteranopia

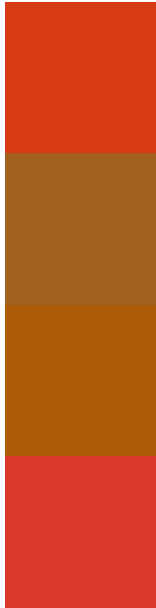
17.6648, 0.4706, 0.4645



Tritanopia

17.7227, 0.5655, 0.3289

Trichromacy



Original Color

17.6329, 0.5951, 0.3529

Protanomaly

16.3297, 0.4958, 0.4168

Deuteranomaly

16.4425, 0.5270, 0.4149

Tritanomaly

17.7070, 0.5798, 0.3395

Monochromacy



Original Color

17.6329, 0.5951, 0.3529

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.8742, 0.4310, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6329, 0.5951, 0.3529 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(215, 59, 22)` looks like.

```
.text, #text, p{  
  color:rgb(215, 59, 22)  
}
```

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(215, 59, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 59, 22) }
```

Border

The CSS property to change the border of an element to Yxy 17.6329, 0.5951, 0.3529 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(215, 59, 22) }
```

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

```
.border{ border-color:rgb(215, 59, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 59, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 59, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 59, 22);  
box-shadow:4px 4px 4px 4px rgb(215, 59,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6329, 0.5951, 0.3529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 59, 22) }
```

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

```
.background{ background-color: rgb(215, 59,  
22) }
```

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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