

Converting Colors

$Y_{xy}(17.1093, 0.6027, 0.3452)$

Have a look what the booklet for
Yxy(17.1093, 0.6027, 0.3452)
contains.

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Color

Yxy(17.1853, 0.6023, 0.3454)

Conversions

Conversions Part 1

Format	Color
Hex	D93318
RGB	217, 51, 24
RGB Percent	85%, 20%, 9%
CMY	0.1490, 0.8001, 0.9059
CMYK	0.00, 0.77, 0.89, 0.15
HSL	8°, 80%, 47%
HSV	8°, 89%, 85%
XYZ	29.9673, 17.1853, 2.6022
YIQ	97.5560, 107.6030, 26.7950

Conversions

Conversions Part 2

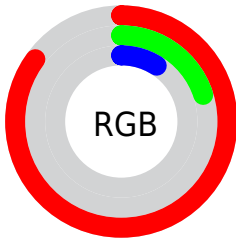
Format	Color
R_{YB}	217, 55, 24
Decimal	14234392
CIE _{Lab}	48.49, 62.32, 53.59
CIE _{LCh}	48, 82.192, 40.689
Yxy	17.1853, 0.6023, 0.3454
Android (android.graphics.Color)	4292424472 (0xFFD93318)
YUV	97.5560, -36.2631, 104.7524
Hunter-Lab	41.4552, 56.4884, 25.2969

Details

The Yxy color **17.1853, 0.6023, 0.3454** 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 **42.0471, 0.2153, 0.2890**, and the grayscale version is **12.1687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1099, 0.5266, 0.3623**, and **6.7723, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.8092, 0.6264, 0.3396**, and if you desaturate by 10%, it is **19.2861, 0.5667, 0.3494**.

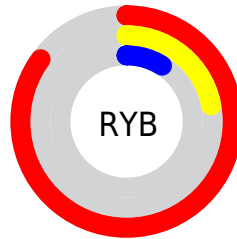
Distribution



Red (85%)

Green (20%)

Blue (9%)



Red (85%)

Yellow (22%)

Blue (9%)

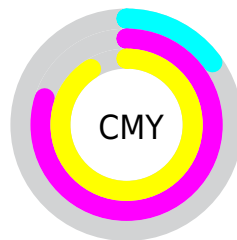


Cyan (0%)

Magenta (77%)

Yellow (89%)

Black (15%)



Cyan (15%)


Magenta (80%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1853, 0.6023, 0.3454 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 17.1853, 0.6023, 0.3454 by changing the saturation by 10% instead.


 17.1853, 0.6023,
0.3454


 17.1853, 0.6023,
0.3454


236.2380, 0.4443,
0.3574

 10.3667, 0.6393,
0.3320


 38.6441, 0.5449,
0.3569


 5.6428, 0.6886,
0.3114

 54.0531, 0.5229,
0.3589


 2.6291, 0.7310,
0.2690

 73.0943, 0.5044,
0.3597

 0.9413, 0.7927,
0.2073

 96.1522, 0.4886,
0.3598

 0.0000, 1.0000,
0.0000


 123.6111, 0.4751,
0.3595


 0.0000, 0.0000,
0.0000


 155.8554, 0.4634,

0.3589


 193.2696, 0.4532,
0.3582


 17.1853, 0.6023,
0.3454


 17.1853, 0.6023,
0.3454


 15.8092, 0.6264,
0.3396


 19.2861, 0.5667,
0.3494

 15.6994, 0.6285,
0.3392

 22.1966, 0.5241,
0.3508

 25.9905, 0.4804,
0.3499

 30.7320, 0.4395,
0.3473

 36.4796, 0.4037,
0.3438

■ 43.2866, 0.3735,
0.3399

■ 51.2030, 0.3484,
0.3359

■ 60.2753, 0.3279,
0.3322

■ 70.5475, 0.3111,
0.3286

Harmonies

Analogous

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



17.1853, 0.5459, 0.2672



17.1853, 0.6023, 0.3454



17.1853, 0.5510, 0.4382

Triad

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



17.1853, 0.6023, 0.3454



17.1853, 0.1951, 0.5477



17.1853, 0.1445, 0.1296

Complementary

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



17.1853, 0.6023, 0.3454



42.0471, 0.2153, 0.2890

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.



17.1853, 0.0994, 0.1424



17.1853, 0.6023, 0.3454



17.1853, 0.1154, 0.3401

Square

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



17.1853, 0.6023, 0.3454



17.1853, 0.3140, 0.6280



17.1853, 0.0890, 0.2005



17.1853, 0.2389, 0.1481

Rectangle

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



17.1853, 0.6023, 0.3454



17.1853, 0.4832, 0.5138



17.1853, 0.0890, 0.2005



17.1853, 0.1250, 0.1301

Sweetspot

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



17.1864, 0.6023, 0.3454



64.1895, 0.3689, 0.3392



19.1814, 0.3531, 0.1765



12.9581, 0.3784, 0.3406



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.



17.1864, 0.6023, 0.3454



22.5003, 0.6295, 0.3384



35.4533, 0.4875, 0.4421



13.3436, 0.3288, 0.3323



9.5930, 0.6267, 0.3406



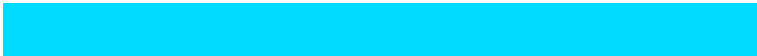
0.7178, 0.6003, 0.3615

Inverse Universe

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



42.0471, 0.2153, 0.2890



58.0689, 0.2120, 0.2832



13.3491, 0.1738, 0.1367



14.5030, 0.2982, 0.3256



24.5788, 0.2123, 0.2843



1.6795, 0.2145, 0.2923

Previews

White Background



This preview shows how the Yxy color 17.1853, 0.6023, 0.3454 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 17.1853, 0.6023, 0.3454 looks on a black 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

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

Yxy 17.1853, 0.6023, 0.3454

Background



This preview shows how black text looks on a background with the Yxy color 17.1853, 0.6023, 0.3454.



This preview shows how white text looks on a background with the Yxy color 17.1853, 0.6023, 0.3454.

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

17.1853, 0.6023, 0.3454

Protanopia

17.3831, 0.4202, 0.4618

Deuteranopia

17.2629, 0.4697, 0.4652



Tritanopia

17.0874, 0.5821, 0.3291

Trichromacy



Original Color

17.1853, 0.6023, 0.3454

Protanomaly

15.4512, 0.5009, 0.4070

Deuteranomaly

15.9351, 0.5316, 0.4105

Tritanomaly

17.1015, 0.5911, 0.3358

Monochromacy



Original Color

17.1853, 0.6023, 0.3454

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.0025, 0.4360, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1853, 0.6023, 0.3454 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(217, 51, 24)` looks like.

```
.text, #text, p{  
    color:rgb(217, 51, 24)  
}
```

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(217, 51, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 51, 24) }
```

Border

The CSS property to change the border of an element to Yxy 17.1853, 0.6023, 0.3454 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(217, 51, 24) }
```

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

```
.border{ border-color:rgb(217, 51, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 51, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 51, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 51, 24);  
box-shadow:4px 4px 4px 4px rgb(217, 51,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1853, 0.6023, 0.3454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 51, 24) }
```

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

```
.background{ background-color: rgb(217, 51,  
24) }
```

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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