

Converting Colors

$Y_{xy}(17.7470, 0.5948, 0.3395)$

Have a look what the booklet for
Yxy(17.7470, 0.5948, 0.3395)
contains.

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Color

Yxy(17.7107, 0.5944, 0.3394)

Conversions

Conversions Part 1

Format	Color
Hex	DC3324
RGB	220, 51, 36
RGB Percent	86%, 20%, 14%
CMY	0.1373, 0.7999, 0.8587
CMYK	0.00, 0.77, 0.84, 0.14
HSL	5°, 72%, 50%
HSV	5°, 84%, 86%
XYZ	31.0172, 17.7107, 3.4545
YIQ	99.8210, 105.5390, 31.1630

Conversions

Conversions Part 2

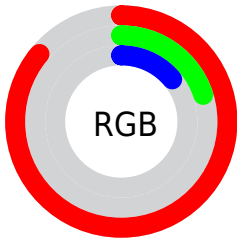
Format	Color
R _Y B	220, 52, 36
Decimal	14431012
CIE Lab	49.14, 63.45, 49.00
CIE LCh	49, 80.167, 37.680
Yxy	17.7107, 0.5944, 0.3394
Android (android.graphics.Color)	4292621092 (0xFFDC3324)
YUV	99.8210, -31.4638, 105.3970
Hunter-Lab	42.0841, 57.9126, 24.5920

Details

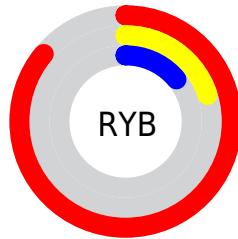
The Yxy color **17.7107, 0.5944, 0.3394** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **49.2063, 0.2217, 0.3075**, and the grayscale version is **12.7602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2690, 0.5160, 0.3538**, and **7.0679, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.2170, 0.6233, 0.3361**, and if you desaturate by 10%, it is **20.0558, 0.5538, 0.3413**.

Distribution



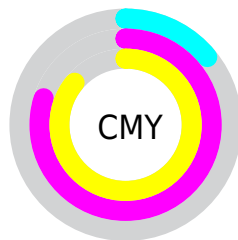
- Red (86%)
- Green (20%)
- Blue (14%)



- Red (86%)
- Yellow (20%)
- Blue (14%)



- Cyan (0%)
- Magenta (77%)
- Yellow (84%)
- Black (14%)





- Cyan (14%)
- Magenta (80%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7107, 0.5944, 0.3394 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 17.7107, 0.5944, 0.3394 by changing the saturation by 10% instead.


 17.7107, 0.5944,
0.3394


 17.7107, 0.5944,
0.3394


239.2353, 0.4391,
0.3520


 10.7425, 0.6323,
0.3271


 39.5437, 0.5371,
0.3502

 5.8940, 0.6859,
0.3095

 55.1774, 0.5155,
0.3522

 2.7807, 0.7308,
0.2692

 74.4682, 0.4974,
0.3532

 1.0183, 0.7911,
0.2089

 97.8008, 0.4820,
0.3535

 0.0000, 1.0000,
0.0000


 125.5594, 0.4689,
0.3534


 0.0000, 0.0000,
0.0000


 158.1284, 0.4576,

0.3531


 195.8922, 0.4478,
0.3526


 17.7107, 0.5944,
0.3394


 17.7107, 0.5944,
0.3394


 16.2170, 0.6233,
0.3361


 20.0558, 0.5538,
0.3413


 15.6455, 0.6349,
0.3341

 23.3506, 0.5082,
0.3416


 27.6832, 0.4634,
0.3406

 33.1309, 0.4231,
0.3387

 39.7638, 0.3888,
0.3365

 47.6458, 0.3604,
0.3342

 56.8367, 0.3373,
0.3319

 67.3921, 0.3186,
0.3297

 79.3646, 0.3034,
0.3278

Harmonies

Analogous

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



17.7107, 0.5264, 0.2623



17.7107, 0.5944, 0.3394



17.7107, 0.5541, 0.4281

Triad

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



17.7107, 0.5944, 0.3394



17.7107, 0.2104, 0.5554



17.7107, 0.1421, 0.1336

Complementary

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



17.7107, 0.5944, 0.3394



49.2063, 0.2217, 0.3075

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.



17.7107, 0.1012, 0.1502



17.7107, 0.5944, 0.3394



17.7107, 0.1260, 0.3595

Square

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



17.7107, 0.5944, 0.3394



17.7107, 0.3291, 0.6156



17.7107, 0.0944, 0.2143



17.7107, 0.2294, 0.1490

Rectangle

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



17.7107, 0.5944, 0.3394



17.7107, 0.4914, 0.4995



17.7107, 0.0944, 0.2143



17.7107, 0.1242, 0.1353

Sweetspot

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



17.7118, 0.5944, 0.3394



64.7139, 0.3645, 0.3346



21.0191, 0.3350, 0.1697



12.9941, 0.3742, 0.3354



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.



17.7118, 0.5944, 0.3394



21.7884, 0.6355, 0.3336



34.1791, 0.4929, 0.4292



13.2212, 0.3290, 0.3310



9.2476, 0.6335, 0.3352



0.6597, 0.6157, 0.3493

Inverse Universe

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



49.2063, 0.2217, 0.3075



66.1889, 0.2174, 0.3028



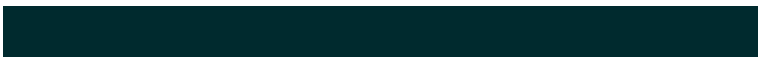
17.9745, 0.1840, 0.1665



14.6385, 0.2982, 0.3270



27.9209, 0.2176, 0.3034



1.8637, 0.2189, 0.3079

Previews

White Background



This preview shows how the Yxy color 17.7107, 0.5944, 0.3394 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 17.7107, 0.5944, 0.3394 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 17.7107, 0.5944, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 17.7107, 0.5944, 0.3394.



This preview shows how white text looks on a background with the Yxy color 17.7107, 0.5944, 0.3394.

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

17.7107, 0.5944, 0.3394

Protanopia

17.9597, 0.4055, 0.4461

Deuteranopia

17.6965, 0.4662, 0.4590



Tritanopia

17.6426, 0.5818, 0.3291

Trichromacy



Original Color

17.7107, 0.5944, 0.3394

Protanomaly

15.9972, 0.4861, 0.3964

Deuteranomaly

16.2014, 0.5274, 0.4036

Tritanomaly

17.6863, 0.5866, 0.3333

Monochromacy



Original Color

17.7107, 0.5944, 0.3394

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.4997, 0.4291, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7107, 0.5944, 0.3394 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(220, 51, 36)` looks like.

```
.text, #text, p{  
    color:rgb(220, 51, 36)  
}
```

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(220, 51, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 51, 36) }
```

Border

The CSS property to change the border of an element to Yxy 17.7107, 0.5944, 0.3394 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(220, 51, 36) }
```

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

```
.border{ border-color:rgb(220, 51, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 51, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 51, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 51, 36);  
box-shadow:4px 4px 4px 4px rgb(220, 51,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7107, 0.5944, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 51, 36) }
```

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

```
.background{ background-color: rgb(220, 51,  
36) }
```

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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