

Converting Colors

$Yxy(18.2707, 0.6088, 0.3530)$

Have a look what the booklet for
Yxy(18.2707, 0.6088, 0.3530)
contains.

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Color

Yxy(18.2707, 0.6088, 0.3530)

Conversions

Conversions Part 1

Format	Color
Hex	DE3704
RGB	222, 55, 4
RGB Percent	87%, 22%, 2%
CMY	0.1294, 0.7842, 0.9848
CMYK	0.00, 0.75, 0.98, 0.13
HSL	14°, 97%, 44%
HSV	14°, 98%, 87%
XYZ	31.5105, 18.2707, 1.9772
YIQ	99.1190, 115.9030, 19.5430

Conversions

Conversions Part 2

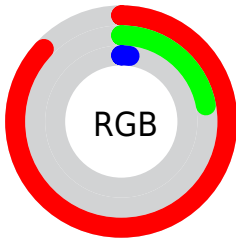
Format	Color
RYB	222, 71, 4
Decimal	14563076
CIELab	49.82, 62.33, 60.92
CIElCh	50, 87.159, 44.342
Yxy	18.2707, 0.6088, 0.3530
Android (android.graphics.Color)	4292753156 (0xFFDE3704)
YUV	99.1190, -46.8937, 107.7666
Hunter-Lab	42.7442, 56.7854, 27.1785

Details

The Yxy color **18.2707, 0.6088, 0.3530** 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 **34.3675, 0.2036, 0.2519**, and the grayscale version is **12.6073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6315, 0.5338, 0.3733**, and **7.1681, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.9894, 0.6128, 0.3516**, and if you desaturate by 10%, it is **20.2407, 0.5823, 0.3612**.

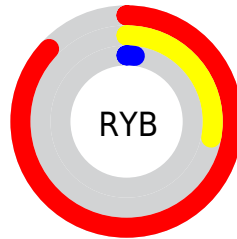
Distribution



Red (87%)

Green (22%)

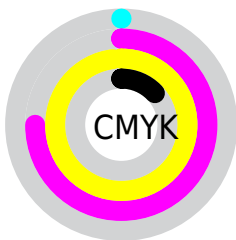
Blue (2%)



Red (87%)

Yellow (28%)

Blue (2%)

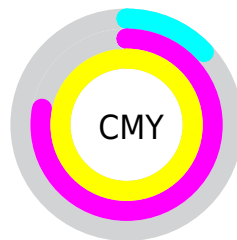


Cyan (0%)

Magenta (75%)

Yellow (98%)

Black (13%)



Cyan (13%)


Magenta (78%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2707, 0.6088, 0.3530 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 18.2707, 0.6088, 0.3530 by changing the saturation by 10% instead.


 18.2707, 0.6088,
0.3530


 18.2707, 0.6088,
0.3530


 242.3924, 0.4521,
0.3645


 11.1445, 0.6440,
0.3395


 40.4981, 0.5538,
0.3652


 6.1641, 0.6840,
0.3160

 56.3680, 0.5322,
0.3673

 2.9451, 0.7244,
0.2756

 75.9213, 0.5136,
0.3680

 1.1032, 0.7830,
0.2170

 99.5424, 0.4977,
0.3679

 0.0000, 1.0000,
0.0000

 127.6157, 0.4839,
0.3673

 0.0000, 0.0000,
0.0000


 160.5255, 0.4719,

0.3665

 198.6563, 0.4614,
0.3655

 18.2707, 0.6088,
0.3530


 18.2707, 0.6088,
0.3530


 17.9894, 0.6128,
0.3516

 20.2407, 0.5823,
0.3612

 22.8912, 0.5472,
0.3659

 26.2863, 0.5075,
0.3665

 30.4792, 0.4677,
0.3639

 35.5181, 0.4306,
0.3591

■ 41.4469, 0.3978,
0.3531

■ 48.3066, 0.3698,
0.3466

■ 56.1356, 0.3461,
0.3401

■ 64.9698, 0.3264,
0.3338

Harmonies

Analogous

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



18.2707, 0.5682, 0.2736



18.2707, 0.6088, 0.3530



18.2707, 0.5450, 0.4516

Triad

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



18.2707, 0.6088, 0.3530



18.2707, 0.1771, 0.5335



18.2707, 0.1488, 0.1256

Complementary

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



18.2707, 0.6088, 0.3530



34.3675, 0.2036, 0.2519

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.



18.2707, 0.0982, 0.1340



18.2707, 0.6088, 0.3530



18.2707, 0.1040, 0.3159

Square

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



18.2707, 0.6088, 0.3530



18.2707, 0.2951, 0.6410



18.2707, 0.0836, 0.1851



18.2707, 0.2523, 0.1481

Rectangle

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



18.2707, 0.6088, 0.3530



18.2707, 0.4697, 0.5303



18.2707, 0.0836, 0.1851



18.2707, 0.1271, 0.1248

Sweetspot

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



18.2718, 0.6088, 0.3530



65.1650, 0.3723, 0.3472



18.5569, 0.3898, 0.1928



13.0614, 0.3840, 0.3500



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.



18.2718, 0.6088, 0.3530



24.4701, 0.6140, 0.3507



42.0272, 0.4750, 0.4601



14.2196, 0.3286, 0.3346



10.8280, 0.6104, 0.3535



0.8871, 0.5803, 0.3774

Inverse Universe

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



34.3675, 0.2036, 0.2519



46.3427, 0.2027, 0.2498



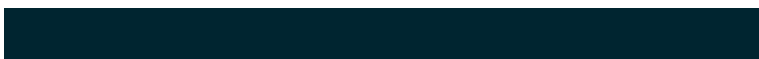
8.7487, 0.1596, 0.0934



14.9990, 0.2982, 0.3234



20.3748, 0.2033, 0.2517



1.5458, 0.2070, 0.2650

Previews

White Background



This preview shows how the Yxy color 18.2707, 0.6088, 0.3530 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 18.2707, 0.6088, 0.3530 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 18.2707, 0.6088, 0.3530

Background



This preview shows how black text looks on a background with the Yxy color 18.2707, 0.6088, 0.3530.



This preview shows how white text looks on a background with the Yxy color 18.2707, 0.6088, 0.3530.

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

18.2707, 0.6088, 0.3530

Protanopia

18.5759, 0.4292, 0.4764

Deuteranopia

18.2943, 0.4699, 0.4651



Tritanopia

18.3127, 0.5784, 0.3283

Trichromacy



Original Color

18.2707, 0.6088, 0.3530

Protanomaly

16.5164, 0.5101, 0.4209

Deuteranomaly

16.8866, 0.5332, 0.4142

Tritanomaly

18.2653, 0.5957, 0.3404

Monochromacy



Original Color

18.2707, 0.6088, 0.3530

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4860, 0.4505, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2707, 0.6088, 0.3530 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(222, 55, 4)` looks like.

```
.text, #text, p{  
    color:rgb(222, 55, 4)  
}
```

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(222, 55, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 55, 4) }
```

Border

The CSS property to change the border of an element to Yxy 18.2707, 0.6088, 0.3530 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(222, 55, 4) }
```

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

```
.border{ border-color:rgb(222, 55, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 55, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 55, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 55, 4);  
box-shadow:4px 4px 4px 4px rgb(222, 55, 4)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.2707, 0.6088, 0.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 55, 4) }
```

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

```
.background{ background-color: rgb(222, 55,  
4) }
```

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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