

Converting Colors

$Y_{xy}(22.2385, 0.5417, 0.3614)$

Have a look what the booklet for
Yxy(22.2385, 0.5417, 0.3614)
contains.

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Color

Yxy(22.2966, 0.5417, 0.3622)

Conversions

Conversions Part 1

Format	Color
Hex	DB5835
RGB	219, 88, 53
RGB Percent	86%, 35%, 21%
CMY	0.1412, 0.6549, 0.7921
CMYK	0.00, 0.60, 0.76, 0.14
HSL	13°, 70%, 53%
HSV	13°, 76%, 86%
XYZ	33.3464, 22.2966, 5.9158
YIQ	123.1790, 89.3110, 16.8870

Conversions

Conversions Part 2

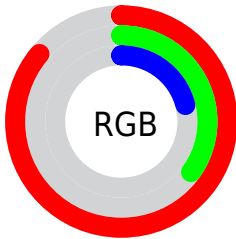
Format	Color
RYB	219, 97, 53
Decimal	14374965
CIELab	54.34, 49.46, 45.53
CIELCh	54, 67.220, 42.631
Yxy	22.2966, 0.5417, 0.3622
Android (android.graphics.Color)	4292565045 (0xFFDB5835)
YUV	123.1790, -34.5982, 84.0350
Hunter-Lab	47.2193, 43.4235, 25.6254

Details

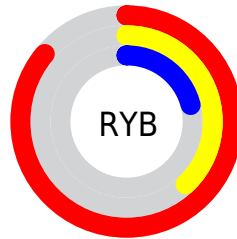
The Yxy color **22.2966, 0.5417, 0.3622** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **40.1564, 0.2170, 0.2776**, and the grayscale version is **19.9653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5653, 0.4732, 0.3689**, and **8.2121, 0.6115, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **19.6311, 0.5789, 0.3585**, and if you desaturate by 10%, it is **25.7293, 0.5007, 0.3623**.

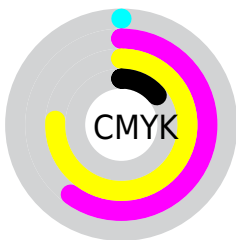
Distribution



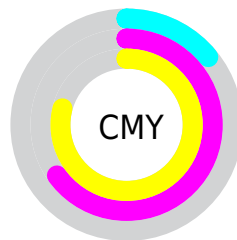
- Red (86%)
- Green (35%)
- Blue (21%)



- Red (86%)
- Yellow (38%)
- Blue (21%)



- Cyan (0%)
- Magenta (60%)
- Yellow (76%)
- Black (14%)



- Cyan (14%)
- Magenta (65%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2966, 0.5417, 0.3622 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 22.2966, 0.5417, 0.3622 by changing the saturation by 10% instead.


 22.2966, 0.5417,
0.3622


 22.2966, 0.5417,
0.3622


264.0913, 0.4171,
0.3566


 14.0750, 0.5731,
0.3577


 47.2357, 0.4954,
0.3641


 8.1728, 0.6117,
0.3476


 64.7220, 0.4781,
0.3635

 4.2057, 0.6682,
0.3318

 86.0654, 0.4637,
0.3626

 1.7893, 0.7133,
0.2867

 111.6501, 0.4514,
0.3614

 0.4805, 0.8032,
0.1968

 141.8607, 0.4410,
0.3602

 0.0000, 1.0000,
0.0000

 177.0815, 0.4319,

 0.0000, 0.0000,

0.3590

0.0000

217.6969, 0.4240,
0.3578

■ 22.2966, 0.5417,
0.3622

■ 22.2966, 0.5417,
0.3622

■ 19.6311, 0.5789,
0.3585

■ 25.7293, 0.5007,
0.3623

■ 17.6669, 0.6076,
0.3513


■ 29.9800, 0.4603,
0.3595

■ 17.0274, 0.6173,
0.3481


■ 35.0994, 0.4234,
0.3549


■ 41.1330, 0.3912,
0.3493

■ 48.1228, 0.3639,
0.3434

 56.1086, 0.3411,
0.3376

 65.1274, 0.3222,
0.3320

 75.2146, 0.3065,
0.3269

 86.4039, 0.2935,
0.3222

Harmonies

Analogous

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



22.2966, 0.4959, 0.2899



22.2966, 0.5417, 0.3622



22.2966, 0.5084, 0.4414

Triad

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



22.2966, 0.5417, 0.3622



22.2966, 0.2219, 0.4765



22.2966, 0.1802, 0.1645

Complementary

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



22.2966, 0.5417, 0.3622



40.1564, 0.2170, 0.2776

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.



22.2966, 0.1366, 0.1765



22.2966, 0.5417, 0.3622



22.2966, 0.1529, 0.3342

Square

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



22.2966, 0.5417, 0.3622



22.2966, 0.3224, 0.5526



22.2966, 0.1269, 0.2278



22.2966, 0.2637, 0.1823

Rectangle

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



22.2966, 0.5417, 0.3622



22.2966, 0.4566, 0.4954



22.2966, 0.1269, 0.2278



22.2966, 0.1616, 0.1649

Sweetspot

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



22.2979, 0.5417, 0.3622



70.7223, 0.3576, 0.3418



21.1445, 0.3614, 0.1943



14.3053, 0.3665, 0.3440



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.



22.2979, 0.5417, 0.3622



25.9395, 0.5974, 0.3546



43.7697, 0.4528, 0.4496



13.4941, 0.3286, 0.3340



10.2255, 0.6149, 0.3499



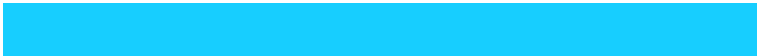
0.7886, 0.5835, 0.3749

Inverse Universe

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



40.1564, 0.2170, 0.2776



51.5831, 0.2082, 0.2652



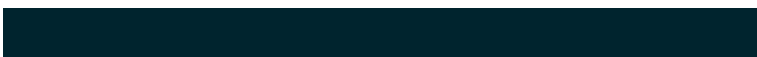
15.5345, 0.1842, 0.1499



14.3392, 0.2982, 0.3240



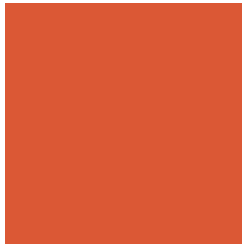
20.8799, 0.2056, 0.2601



1.4718, 0.2091, 0.2726

Previews

White Background



This preview shows how the Yxy color 22.2966, 0.5417, 0.3622 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 22.2966, 0.5417, 0.3622 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 22.2966, 0.5417, 0.3622

Background



This preview shows how black text looks on a background with the Yxy color 22.2966, 0.5417, 0.3622.



This preview shows how white text looks on a background with the Yxy color 22.2966, 0.5417, 0.3622.

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

22.2966, 0.5417, 0.3622

Protanopia

22.5552, 0.3994, 0.4373

Deuteranopia

22.3837, 0.4495, 0.4419



Tritanopia

22.2776, 0.5020, 0.3243

Trichromacy



Original Color

22.2966, 0.5417, 0.3622

Protanomaly

21.2563, 0.4545, 0.4065

Deuteranomaly

21.6414, 0.4865, 0.4093

Tritanomaly

22.2344, 0.5190, 0.3388

Monochromacy



Original Color

22.2966, 0.5417, 0.3622

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.3028, 0.3956, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2966, 0.5417, 0.3622 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(219, 88, 53)` looks like.

```
.text, #text, p{  
    color:rgb(219, 88, 53)  
}
```

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(219, 88, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 88, 53) }
```

Border

The CSS property to change the border of an element to Yxy 22.2966, 0.5417, 0.3622 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(219, 88, 53) }
```

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

```
.border{ border-color:rgb(219, 88, 53) }
```

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

Here you see how a box with a 4 pixel rgb(219, 88, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 88, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 88, 53);  
box-shadow:4px 4px 4px 4px rgb(219, 88,  
53) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.2966, 0.5417, 0.3622$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 88, 53) }
```

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

```
.background{ background-color: rgb(219, 88,  
53) }
```

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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