

Converting Colors

$Y_{xy}(25.8660, 0.5330, 0.3927)$

Have a look what the booklet for
Yxy(25.8660, 0.5330, 0.3927)
contains.

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Color

Yxy(25.8646, 0.5330, 0.3927)

Conversions

Conversions Part 1

Format	Color
Hex	DC6B25
RGB	220, 107, 37
RGB Percent	86%, 42%, 15%
CMY	0.1373, 0.5803, 0.8548
CMYK	0.00, 0.51, 0.83, 0.14
HSL	23°, 72%, 50%
HSV	23°, 83%, 86%
XYZ	35.1053, 25.8646, 4.8937
YIQ	132.8070, 89.8180, 2.1860

Conversions

Conversions Part 2

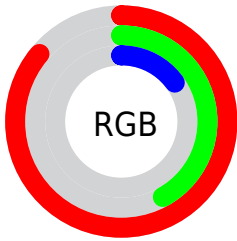
Format	Color
R _Y B	220, 150, 37
Decimal	14445349
CIE Lab	57.91, 40.17, 56.32
CIE LCh	58, 69.178, 54.501
Yxy	25.8646, 0.5330, 0.3927
Android (android.graphics.Color)	4292635429 (0xFFDC6B25)
YUV	132.8070, -47.2329, 76.4683
Hunter-Lab	50.8573, 34.2131, 29.8950

Details

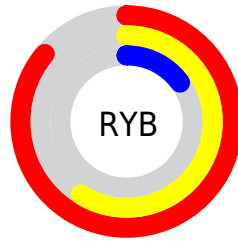
The Yxy color **25.8646, 0.5330, 0.3927** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **27.3721, 0.1988, 0.2214**, and the grayscale version is **23.5343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1062, 0.4707, 0.3990**, and **10.0974, 0.5801, 0.3776** is the 20% darker color. If you saturate the color by 10%, you get **23.1531, 0.5605, 0.3868**, and if you desaturate by 10%, it is **29.1071, 0.5012, 0.3933**.

Distribution



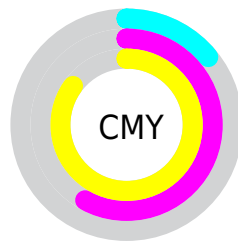
- Red (86%)
- Green (42%)
- Blue (15%)



- Red (86%)
- Yellow (59%)
- Blue (15%)



- Cyan (0%)
- Magenta (51%)
- Yellow (83%)
- Black (14%)





- Cyan (14%)
- Magenta (58%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8646, 0.5330, 0.3927 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 25.8646, 0.5330, 0.3927 by changing the saturation by 10% instead.


 25.8646, 0.5330,
0.3927

 25.8646, 0.5330,
0.3927


282.1168, 0.4185,
0.3730

 16.7224, 0.5592,
0.3911


 53.0564, 0.4923,
0.3899


 10.0367, 0.5906,
0.3851


 71.8748, 0.4765,
0.3875

 5.4233, 0.6287,
0.3713


 94.6874, 0.4631,
0.3848

 2.4977, 0.6632,
0.3368

 121.8786, 0.4516,
0.3822

 0.8755, 0.7184,
0.2816

 153.8327, 0.4416,
0.3797

 0.0000, 1.0000,
0.0000

 190.9341, 0.4329,

 0.0000, 0.0000,

0.3773

0.0000

233.5674, 0.4253,
0.3751

■ 25.8646, 0.5330,
0.3927

■ 25.8646, 0.5330,
0.3927

■ 23.1531, 0.5605,
0.3868

■ 29.1071, 0.5012,
0.3933


■ 21.5791, 0.5765,
0.3805

■ 32.9086, 0.4680,
0.3894

■ 37.2995, 0.4356,
0.3821

■ 42.3065, 0.4056,
0.3728

■ 47.9542, 0.3787,
0.3625

 54.2659, 0.3553,
0.3520

 61.2633, 0.3350,
0.3417

 68.9675, 0.3177,
0.3320

 77.3984, 0.3029,
0.3229

Harmonies

Analogous

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



25.8646, 0.5201, 0.3186



25.8646, 0.5330, 0.3927



25.8646, 0.4776, 0.4724

Triad

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



25.8646, 0.5330, 0.3927



25.8646, 0.1919, 0.4192



25.8646, 0.2100, 0.1706

Complementary

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



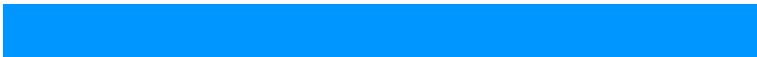
25.8646, 0.5330, 0.3927



27.3721, 0.1988, 0.2214

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.



25.8646, 0.1520, 0.1703



25.8646, 0.5330, 0.3927



25.8646, 0.1406, 0.2863

Square

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



25.8646, 0.5330, 0.3927



25.8646, 0.2821, 0.5320



25.8646, 0.1295, 0.2041



25.8646, 0.3082, 0.1990

Rectangle

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



25.8646, 0.5330, 0.3927



25.8646, 0.4186, 0.5208



25.8646, 0.1295, 0.2041



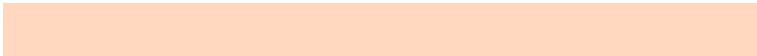
25.8646, 0.1863, 0.1672

Sweetspot

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



25.8660, 0.5330, 0.3927



73.9585, 0.3598, 0.3541



18.8352, 0.4148, 0.2175



15.1529, 0.3679, 0.3579



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.



25.8660, 0.5330, 0.3927



29.9110, 0.5779, 0.3793



54.6453, 0.4348, 0.4801



13.8640, 0.3282, 0.3380



12.8653, 0.5737, 0.3826



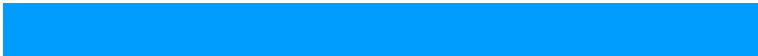
0.9970, 0.5433, 0.4068

Inverse Universe

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



27.3721, 0.1988, 0.2214



31.4872, 0.1877, 0.1959



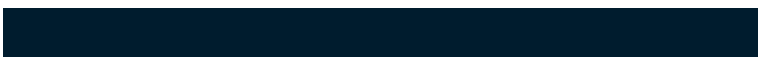
8.9424, 0.1654, 0.0962



13.9493, 0.2982, 0.3198



13.5621, 0.1887, 0.1992



1.0433, 0.1952, 0.2227

Previews

White Background



This preview shows how the Yxy color 25.8646, 0.5330, 0.3927 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 25.8646, 0.5330, 0.3927 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 25.8646, 0.5330, 0.3927

Background



This preview shows how black text looks on a background with the Yxy color 25.8646, 0.5330, 0.3927.



This preview shows how white text looks on a background with the Yxy color 25.8646, 0.5330, 0.3927.

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

25.8646, 0.5330, 0.3927

Protanopia

26.0135, 0.4220, 0.4659

Deuteranopia

25.8028, 0.4648, 0.4555



Tritanopia

25.8639, 0.4680, 0.3216

Trichromacy



Original Color

25.8646, 0.5330, 0.3927

Protanomaly

25.1892, 0.4643, 0.4376

Deuteranomaly

25.4611, 0.4918, 0.4312

Tritanomaly

25.8393, 0.4974, 0.3521

Monochromacy



Original Color

25.8646, 0.5330, 0.3927

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.2965, 0.3959, 0.3700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8646, 0.5330, 0.3927 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, 107, 37)` looks like.

```
.text, #text, p{  
    color:rgb(220, 107, 37)  
}
```

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, 107, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 107, 37) }
```

Border

The CSS property to change the border of an element to Yxy 25.8646, 0.5330, 0.3927 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, 107, 37) }
```

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

```
.border{ border-color:rgb(220, 107, 37) }
```

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

Here you see how a box with a 4 pixel rgb(220, 107, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 107, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 107, 37);  
box-shadow:4px 4px 4px 4px rgb(220, 107,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8646, 0.5330, 0.3927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 107, 37) }
```

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

```
.background{ background-color: rgb(220,  
107, 37) }
```

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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