

Converting Colors

$Y_{xy}(23.2515, 0.5250, 0.3966)$

Have a look what the booklet for
Yxy(23.2515, 0.5250, 0.3966)
contains.

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Color

Yxy(23.1560, 0.5255, 0.3959)

Conversions

Conversions Part 1

Format	Color
Hex	CE6825
RGB	206, 104, 37
RGB Percent	81%, 41%, 15%
CMY	0.1922, 0.5921, 0.8550
CMYK	0.00, 0.50, 0.82, 0.19
HSL	24°, 70%, 48%
HSV	24°, 82%, 81%
XYZ	30.7362, 23.1560, 4.5973
YIQ	126.8600, 82.2990, 0.7870

Conversions

Conversions Part 2

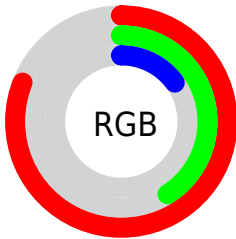
Format	Color
R_{YB}	206, 148, 37
Decimal	13527077
CIE _{Lab}	55.23, 36.16, 53.17
CIE _{LCh}	55, 64.301, 55.784
Yxy	23.1560, 0.5255, 0.3959
Android (android.graphics.Color)	4291717157 (0xFFCE6825)
YUV	126.8600, -44.3010, 69.4058
Hunter-Lab	48.1207, 29.8026, 28.0201

Details

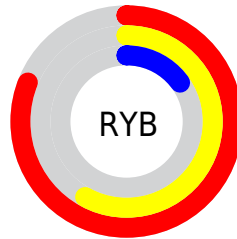
The Yxy color **23.1560, 0.5255, 0.3959** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **23.3003, 0.1989, 0.2194**, and the grayscale version is **21.3069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0785, 0.4732, 0.3960**, and **8.6581, 0.5740, 0.3824** is the 20% darker color. If you saturate the color by 10%, you get **20.7416, 0.5531, 0.3910**, and if you desaturate by 10%, it is **26.0146, 0.4942, 0.3955**.

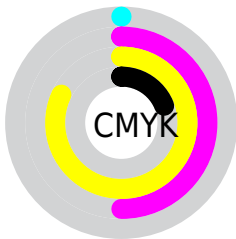
Distribution



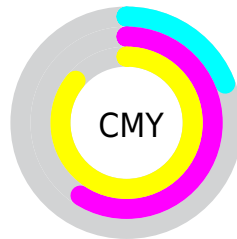
- Red (81%)
- Green (41%)
- Blue (15%)



- Red (81%)
- Yellow (58%)
- Blue (15%)



- Cyan (0%)
- Magenta (50%)
- Yellow (82%)
- Black (19%)





- Cyan (19%)
- Magenta (59%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1560, 0.5255, 0.3959 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 23.1560, 0.5255, 0.3959 by changing the saturation by 10% instead.


 23.1560, 0.5255,
0.3959


 23.1560, 0.5255,
0.3959


268.5252, 0.4125,
0.3728


 14.7087, 0.5522,
0.3952


 48.6494, 0.4847,
0.3916


 8.6152, 0.5853,
0.3907


 66.4642, 0.4691,
0.3887


 4.4911, 0.6236,
0.3764


 88.1704, 0.4559,
0.3856

 1.9519, 0.6599,
0.3401

 114.1524, 0.4446,
0.3827

 0.5793, 0.7320,
0.2680

 144.7944, 0.4349,
0.3799

 0.0000, 1.0000,
0.0000

 180.4810, 0.4264,

 0.0000, 0.0000,

0.3774

0.0000

221.5965, 0.4191,
0.3750

■ 23.1560, 0.5255,
0.3959

■ 23.1560, 0.5255,
0.3959

■ 20.7416, 0.5531,
0.3910

■ 26.0146, 0.4942,
0.3955

■ 19.1110, 0.5718,
0.3842

■ 29.3395, 0.4617,
0.3908

■ 33.1552, 0.4303,
0.3829

■ 37.4829, 0.4012,
0.3731

■ 42.3426, 0.3752,
0.3624

■ 47.7529, 0.3525,
0.3515

■ 53.7315, 0.3328,
0.3410

■ 60.2953, 0.3159,
0.3310

■ 67.4603, 0.3014,
0.3217

Harmonies

Analogous

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



23.1560, 0.5152, 0.3228



23.1560, 0.5255, 0.3959



23.1560, 0.4707, 0.4731

Triad

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



23.1560, 0.5255, 0.3959



23.1560, 0.1930, 0.4101



23.1560, 0.2165, 0.1753

Complementary

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



23.1560, 0.5255, 0.3959



23.3003, 0.1989, 0.2194

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.



23.1560, 0.1579, 0.1740



23.1560, 0.5255, 0.3959



23.1560, 0.1441, 0.2839

Square

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



23.1560, 0.5255, 0.3959



23.1560, 0.2799, 0.5209



23.1560, 0.1344, 0.2059



23.1560, 0.3135, 0.2042

Rectangle

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



23.1560, 0.5255, 0.3959



23.1560, 0.4130, 0.5181



23.1560, 0.1344, 0.2059



23.1560, 0.1927, 0.1717

Sweetspot

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



23.1573, 0.5255, 0.3959



74.4193, 0.3595, 0.3550



16.3713, 0.4174, 0.2209



15.2617, 0.3676, 0.3589



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.



23.1573, 0.5255, 0.3959



31.2161, 0.5695, 0.3845



48.4877, 0.4310, 0.4815



11.9316, 0.3280, 0.3382



11.9464, 0.5692, 0.3862



0.7633, 0.5334, 0.4147

Inverse Universe

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



23.3003, 0.1989, 0.2194



30.9897, 0.1874, 0.1937



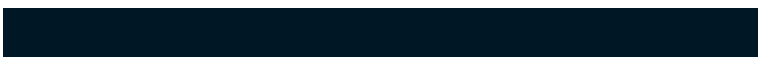
7.7444, 0.1663, 0.0965



11.9511, 0.2983, 0.3196



11.8597, 0.1874, 0.1947



0.7575, 0.1955, 0.2237

Previews

White Background



This preview shows how the Yxy color 23.1560, 0.5255, 0.3959 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 23.1560, 0.5255, 0.3959 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 23.1560, 0.5255, 0.3959

Background



This preview shows how black text looks on a background with the Yxy color 23.1560, 0.5255, 0.3959.



This preview shows how white text looks on a background with the Yxy color 23.1560, 0.5255, 0.3959.

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

23.1560, 0.5255, 0.3959

Protanopia

23.3541, 0.4211, 0.4626

Deuteranopia

23.2210, 0.4614, 0.4539



Tritanopia

23.1042, 0.4594, 0.3210

Trichromacy



Original Color

23.1560, 0.5255, 0.3959

Protanomaly

22.6323, 0.4617, 0.4362

Deuteranomaly

22.8796, 0.4863, 0.4316

Tritanomaly

23.1034, 0.4889, 0.3528

Monochromacy



Original Color

23.1560, 0.5255, 0.3959

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.0697, 0.3926, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1560, 0.5255, 0.3959 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(206, 104, 37)` looks like.

```
.text, #text, p{  
    color:rgb(206, 104, 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(206, 104, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 104, 37) }
```

Border

The CSS property to change the border of an element to Yxy 23.1560, 0.5255, 0.3959 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(206, 104, 37) }
```

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

```
.border{ border-color:rgb(206, 104, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 104, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 104, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 104, 37);  
box-shadow:4px 4px 4px 4px rgb(206, 104,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1560, 0.5255, 0.3959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 104, 37) }
```

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

```
.background{ background-color: rgb(206,  
104, 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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