

Converting Colors

$Y_{xy}(22.9332, 0.5237, 0.3675)$

Have a look what the booklet for
Yxy(22.9332, 0.5237, 0.3675)
contains.

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Color

Yxy(22.9777, 0.5230, 0.3675)

Conversions

Conversions Part 1

Format	Color
Hex	D6603B
RGB	214, 96, 59
RGB Percent	84%, 38%, 23%
CMY	0.1608, 0.6234, 0.7687
CMYK	0.00, 0.55, 0.72, 0.16
HSL	14°, 65%, 54%
HSV	14°, 72%, 84%
XYZ	32.7002, 22.9777, 6.8464
YIQ	127.0640, 82.2050, 13.5090

Conversions

Conversions Part 2

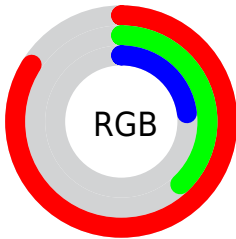
Format	Color
R _Y B	214, 108, 59
Decimal	14049339
CIE Lab	55.05, 44.11, 42.97
CIE LCh	55, 61.577, 44.251
Yxy	22.9777, 0.5230, 0.3675
Android (android.graphics.Color)	4292239419 (0xFFD6603B)
YUV	127.0640, -33.5556, 76.2429
Hunter-Lab	47.9351, 37.8824, 25.0863

Details

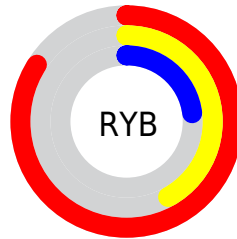
The Yxy color **22.9777, 0.5230, 0.3675** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **37.2054, 0.2179, 0.2734**, and the grayscale version is **21.3445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8376, 0.4623, 0.3706**, and **8.5266, 0.5899, 0.3576** is the 20% darker color. If you saturate the color by 10%, you get **20.1298, 0.5611, 0.3653**, and if you desaturate by 10%, it is **26.5346, 0.4831, 0.3660**.

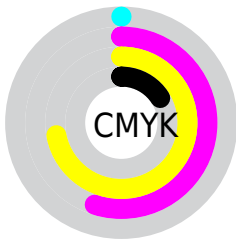
Distribution



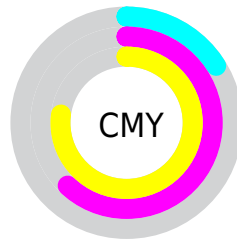
- Red (84%)
- Green (38%)
- Blue (23%)



- Red (84%)
- Yellow (42%)
- Blue (23%)



- Cyan (0%)
- Magenta (55%)
- Yellow (72%)
- Black (16%)



- Cyan (16%)
- Magenta (62%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9777, 0.5230, 0.3675 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 22.9777, 0.5230, 0.3675 by changing the saturation by 10% instead.


 22.9777, 0.5230,
0.3675


 22.9777, 0.5230,
0.3675


267.6104, 0.4082,
0.3570


 14.5770, 0.5525,
0.3651


 48.3567, 0.4800,
0.3669

 8.5231, 0.5893,
0.3584


 66.1038, 0.4641,
0.3656


 4.4314, 0.6487,
0.3501

 87.7353, 0.4509,
0.3641

 1.9177, 0.6908,
0.3092

 113.6354, 0.4397,
0.3626

 0.5590, 0.7693,
0.2307

 144.1885, 0.4301,
0.3611

 0.0000, 1.0000,
0.0000

 179.7792, 0.4218,

 0.0000, 0.0000,

0.3597

0.0000

220.7917, 0.4146,
0.3583

■ 22.9777, 0.5230,
0.3675

■ 22.9777, 0.5230,
0.3675

■ 20.1298, 0.5611,
0.3653

■ 26.5346, 0.4831,
0.3660

■ 17.9370, 0.5930,
0.3590


■ 30.8417, 0.4449,
0.3619

■ 16.6733, 0.6116,
0.3526

■ 35.9411, 0.4105,
0.3562

■ 41.8710, 0.3806,
0.3497

■ 48.6666, 0.3553,
0.3430

 56.3613, 0.3342,
0.3365

 64.9867, 0.3165,
0.3304

 74.5727, 0.3019,
0.3248

 85.1479, 0.2896,
0.3196

Harmonies

Analogous

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



22.9777, 0.4834, 0.2981



22.9777, 0.5230, 0.3675



22.9777, 0.4923, 0.4416

Triad

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



22.9777, 0.5230, 0.3675



22.9777, 0.2266, 0.4546



22.9777, 0.1934, 0.1760

Complementary

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



22.9777, 0.5230, 0.3675



37.2054, 0.2179, 0.2734

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.



22.9777, 0.1498, 0.1866



22.9777, 0.5230, 0.3675



22.9777, 0.1631, 0.3288

Square

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



22.9777, 0.5230, 0.3675



22.9777, 0.3197, 0.5293



22.9777, 0.1393, 0.2337



22.9777, 0.2737, 0.1942

Rectangle

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



22.9777, 0.5230, 0.3675



22.9777, 0.4446, 0.4893



22.9777, 0.1393, 0.2337



22.9777, 0.1750, 0.1761

Sweetspot

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



22.9790, 0.5230, 0.3675



72.6190, 0.3548, 0.3429



20.6267, 0.3659, 0.2023



14.9212, 0.3613, 0.3447



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.



22.9790, 0.5230, 0.3675



28.0526, 0.5795, 0.3624



44.3625, 0.4420, 0.4519



12.8978, 0.3285, 0.3346



10.2151, 0.6091, 0.3546



0.7461, 0.5748, 0.3818

Inverse Universe

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



37.2054, 0.2179, 0.2734



49.7798, 0.2076, 0.2597



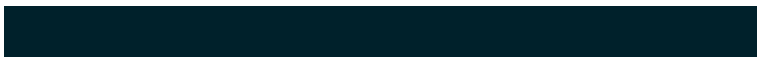
14.9582, 0.1871, 0.1511



13.5815, 0.2982, 0.3233



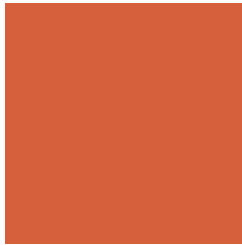
18.9058, 0.2029, 0.2503



1.2642, 0.2071, 0.2655

Previews

White Background



This preview shows how the Yxy color 22.9777, 0.5230, 0.3675 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 22.9777, 0.5230, 0.3675 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 22.9777, 0.5230, 0.3675

Background



This preview shows how black text looks on a background with the Yxy color 22.9777, 0.5230, 0.3675.



This preview shows how white text looks on a background with the Yxy color 22.9777, 0.5230, 0.3675.

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

22.9777, 0.5230, 0.3675

Protanopia

23.0685, 0.3963, 0.4303

Deuteranopia

23.1690, 0.4432, 0.4351



Tritanopia

22.9442, 0.4813, 0.3227

Trichromacy



Original Color

22.9777, 0.5230, 0.3675

Protanomaly

22.2568, 0.4439, 0.4048

Deuteranomaly

22.6046, 0.4744, 0.4070

Tritanomaly

22.9003, 0.4982, 0.3406

Monochromacy



Original Color

22.9777, 0.5230, 0.3675

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.8210, 0.3879, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9777, 0.5230, 0.3675 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(214, 96, 59)` looks like.

```
.text, #text, p{  
    color:rgb(214, 96, 59)  
}
```

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(214, 96, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 96, 59) }
```

Border

The CSS property to change the border of an element to Yxy 22.9777, 0.5230, 0.3675 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(214, 96, 59) }
```

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

```
.border{ border-color:rgb(214, 96, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 96, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 96, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 96, 59);  
box-shadow:4px 4px 4px 4px rgb(214, 96,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9777, 0.5230, 0.3675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 96, 59) }
```

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

```
.background{ background-color: rgb(214, 96,  
59) }
```

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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