

Converting Colors

$Y_{xy}(22.2499, 0.5458, 0.3958)$

Have a look what the booklet for
Yxy(22.2499, 0.5458, 0.3958)
contains.

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Color

Yxy(22.3377, 0.5455, 0.3959)

Conversions

Conversions Part 1

Format	Color
Hex	D16213
RGB	209, 98, 19
RGB Percent	82%, 38%, 7%
CMY	0.1804, 0.6156, 0.9254
CMYK	0.00, 0.53, 0.91, 0.18
HSL	25°, 83%, 45%
HSV	25°, 91%, 82%
XYZ	30.7785, 22.3377, 3.3064
YIQ	122.1830, 91.5150, -1.0370

Conversions

Conversions Part 2

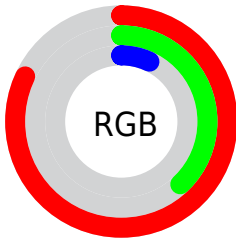
Format	Color
R_{YB}	209, 154, 19
Decimal	13722131
CIE _{Lab}	54.38, 39.98, 58.95
CIE _{LCh}	54, 71.229, 55.860
Yxy	22.3377, 0.5455, 0.3959
Android (android.graphics.Color)	4291912211 (0xFFD16213)
YUV	122.1830, -50.8692, 76.1385
Hunter-Lab	47.2628, 33.5331, 28.9362

Details

The Yxy color **22.3377, 0.5455, 0.3959** 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 **20.7081, 0.1905, 0.1996**, and the grayscale version is **19.6744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8876, 0.4887, 0.4006**, and **8.2361, 0.5881, 0.3712** is the 20% darker color. If you saturate the color by 10%, you get **20.3542, 0.5665, 0.3884**, and if you desaturate by 10%, it is **24.9066, 0.5181, 0.3999**.

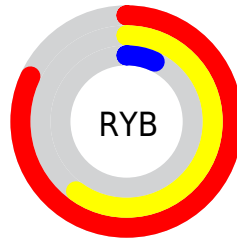
Distribution



Red (82%)

Green (38%)

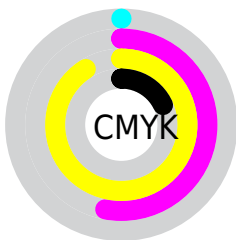
Blue (7%)



Red (82%)

Yellow (60%)

Blue (7%)

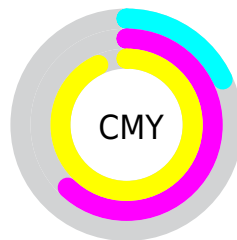


Cyan (0%)

Magenta (53%)

Yellow (91%)

Black (18%)



Cyan (18%)


Magenta (62%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3377, 0.5455, 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 22.3377, 0.5455, 0.3959 by changing the saturation by 10% instead.


 22.3377, 0.5455,
0.3959

 22.3377, 0.5455,
0.3959


264.3048, 0.4237,
0.3766


 14.1052, 0.5727,
0.3925


 47.3035, 0.5025,
0.3944

 8.1939, 0.6114,
0.3875


 64.8057, 0.4857,
0.3920


 4.2193, 0.6386,
0.3614

 86.1665, 0.4713,
0.3893

 1.7970, 0.6788,
0.3212

 111.7704, 0.4590,
0.3865

 0.4853, 0.7660,
0.2340

 142.0018, 0.4483,
0.3838

 0.0000, 1.0000,
0.0000

 177.2451, 0.4391,

 0.0000, 0.0000,

0.3813

0.0000


 217.8846, 0.4309,
0.3788

 22.3377, 0.5455,
0.3959


 22.3377, 0.5455,
0.3959


 20.3542, 0.5665,
0.3884

 24.9066, 0.5181,
0.3999

 27.9143, 0.4875,
0.3986

 31.3869, 0.4560,
0.3930

 35.3466, 0.4255,
0.3843

 39.8139, 0.3973,
0.3739

■ 44.8081, 0.3721,
0.3626

■ 50.3469, 0.3499,
0.3513

■ 56.4476, 0.3307,
0.3403

■ 63.1264, 0.3141,
0.3299

Harmonies

Analogous

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



22.3377, 0.5384, 0.3187



22.3377, 0.5455, 0.3959



22.3377, 0.4812, 0.4814

Triad

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



22.3377, 0.5455, 0.3959



22.3377, 0.1791, 0.4196



22.3377, 0.2067, 0.1624

Complementary

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



22.3377, 0.5455, 0.3959



20.7081, 0.1905, 0.1996

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.



22.3377, 0.1447, 0.1602



22.3377, 0.5455, 0.3959



22.3377, 0.1287, 0.2759

Square

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



22.3377, 0.5455, 0.3959



22.3377, 0.2723, 0.5478



22.3377, 0.1198, 0.1925



22.3377, 0.3127, 0.1931

Rectangle

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



22.3377, 0.5455, 0.3959



22.3377, 0.4168, 0.5351



22.3377, 0.1198, 0.1925



22.3377, 0.1814, 0.1583

Sweetspot

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



22.3389, 0.5455, 0.3959



73.2992, 0.3638, 0.3586



15.7144, 0.4389, 0.2242



15.0670, 0.3717, 0.3625



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.



22.3389, 0.5455, 0.3959



31.5739, 0.5685, 0.3868



50.4265, 0.4342, 0.4885



12.6043, 0.3280, 0.3387



12.7354, 0.5640, 0.3904



0.8671, 0.5313, 0.4164

Inverse Universe

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



20.7081, 0.1905, 0.1996



28.7060, 0.1844, 0.1839



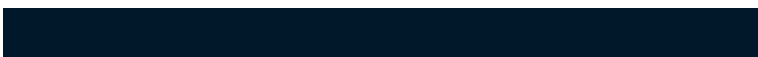
6.1293, 0.1570, 0.0772



12.5487, 0.2983, 0.3191



11.6340, 0.1855, 0.1878



0.8052, 0.1934, 0.2163

Previews

White Background



This preview shows how the Yxy color 22.3377, 0.5455, 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 22.3377, 0.5455, 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 22.3377, 0.5455, 0.3959

Background



This preview shows how black text looks on a background with the Yxy color 22.3377, 0.5455, 0.3959.



This preview shows how white text looks on a background with the Yxy color 22.3377, 0.5455, 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

22.3377, 0.5455, 0.3959

Protanopia

22.5195, 0.4309, 0.4766

Deuteranopia

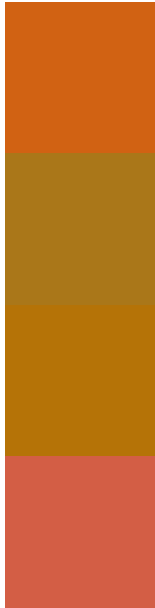
22.4146, 0.4708, 0.4644



Tritanopia

22.3423, 0.4771, 0.3225

Trichromacy



Original Color

22.3377, 0.5455, 0.3959

Protanomaly

21.8099, 0.4760, 0.4446

Deuteranomaly

22.1006, 0.4999, 0.4380

Tritanomaly

22.2840, 0.5113, 0.3567

Monochromacy



Original Color

22.3377, 0.5455, 0.3959

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.3362, 0.4058, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3377, 0.5455, 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(209, 98, 19)` looks like.

```
.text, #text, p{  
    color:rgb(209, 98, 19)  
}
```

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(209, 98, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 98, 19) }
```

Border

The CSS property to change the border of an element to Yxy 22.3377, 0.5455, 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(209, 98, 19) }
```

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

```
.border{ border-color:rgb(209, 98, 19) }
```

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

Here you see how a box with a 4 pixel rgb(209, 98, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 98, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 98, 19);  
box-shadow:4px 4px 4px 4px rgb(209, 98,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3377, 0.5455, 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(209, 98, 19) }
```

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

```
.background{ background-color: rgb(209, 98,  
19) }
```

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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