

Converting Colors

$Y_{xy}(20.8185, 0.5629, 0.3913)$

Have a look what the booklet for
Yxy(20.8185, 0.5629, 0.3913)
contains.

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Color

Yxy(20.8676, 0.5623, 0.3918)

Conversions

Conversions Part 1

Format	Color
Hex	D15A00
RGB	209, 90, 0
RGB Percent	82%, 35%, 0%
CMY	0.1804, 0.6470, 1.0000
CMYK	0.00, 0.57, 1.00, 0.18
HSL	26°, 100%, 41%
HSV	26°, 100%, 82%
XYZ	29.9486, 20.8676, 2.4447
YIQ	115.3210, 99.8140, -2.7620

Conversions

Conversions Part 2

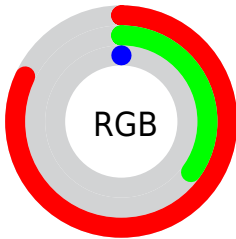
Format	Color
RYB	209, 158, 0
Decimal	13720064
CIELab	52.80, 43.67, 62.21
CIElCh	53, 76.003, 54.932
Yxy	20.8676, 0.5623, 0.3918
Android (android.graphics.Color)	4291910144 (0xFFD15A00)
YUV	115.3210, -56.8533, 82.1565
Hunter-Lab	45.6811, 37.0830, 28.8038

Details

The Yxy color **20.8676, 0.5623, 0.3918** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **17.7915, 0.1834, 0.1803**, and the grayscale version is **17.4025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2638, 0.5037, 0.4000**, and **7.4341, 0.6039, 0.3587** is the 20% darker color. If you saturate the color by 10%, you get **20.8691, 0.5622, 0.3918**, and if you desaturate by 10%, it is **23.0936, 0.5394, 0.3997**.

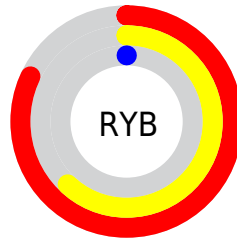
Distribution



Red (82%)

Green (35%)

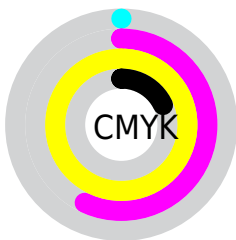
Blue (0%)



Red (82%)

Yellow (62%)

Blue (0%)

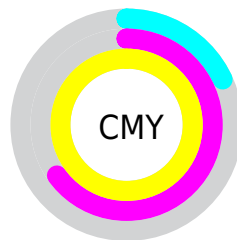


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8676, 0.5623, 0.3918 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 20.8676, 0.5623, 0.3918 by changing the saturation by 10% instead.


 20.8676, 0.5623,
0.3918


 20.8676, 0.5623,
0.3918


256.5740, 0.4323,
0.3778


 13.0273, 0.5904,
0.3856


 44.8671, 0.5170,
0.3934


 7.4473, 0.6260,
0.3740


 61.7950, 0.4991,
0.3918

 3.7434, 0.6559,
0.3441

 82.5209, 0.4837,
0.3896

 1.5311, 0.7013,
0.2987

 107.4292, 0.4704,
0.3872

 0.3105, 0.8261,
0.1739

 136.9043, 0.4590,
0.3848


 0.0000, 1.0000,
0.0000

 171.3305, 0.4489,

 0.0000, 0.0000,


0.3823

0.0000


 211.0923, 0.4401,
0.3800


 20.8676, 0.5623,
0.3918


 20.8676, 0.5623,
0.3918


 20.8691, 0.5622,
0.3918

 23.0936, 0.5394,
0.3997

 25.7119, 0.5124,
0.4028

 28.7570, 0.4823,
0.4008

 32.2522, 0.4515,
0.3945

 36.2186, 0.4218,
0.3853

■ 40.6754, 0.3943,
0.3744

■ 45.6409, 0.3696,
0.3628

■ 51.1320, 0.3479,
0.3510

■ 57.1648, 0.3290,
0.3397

Harmonies

Analogous

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



20.8676, 0.5555, 0.3123



20.8676, 0.5623, 0.3918



20.8676, 0.4915, 0.4835

Triad

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



20.8676, 0.5623, 0.3918



20.8676, 0.1702, 0.4335



20.8676, 0.1960, 0.1516

Complementary

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



20.8676, 0.5623, 0.3918



17.7915, 0.1834, 0.1803

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.



20.8676, 0.1330, 0.1498



20.8676, 0.5623, 0.3918



20.8676, 0.1174, 0.2732

Square

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



20.8676, 0.5623, 0.3918



20.8676, 0.2690, 0.5735



20.8676, 0.1082, 0.1836



20.8676, 0.3076, 0.1828

Rectangle

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



20.8676, 0.5623, 0.3918



20.8676, 0.4221, 0.5451



20.8676, 0.1082, 0.1836



20.8676, 0.1700, 0.1477

Sweetspot

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



20.8691, 0.5622, 0.3918



71.3065, 0.3704, 0.3632



14.9572, 0.4623, 0.2320



14.5329, 0.3806, 0.3682



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.



20.8691, 0.5622, 0.3918



32.3754, 0.5641, 0.3903



51.0679, 0.4348, 0.4929



12.6336, 0.3280, 0.3391



13.0559, 0.5598, 0.3937



0.8862, 0.5278, 0.4191

Inverse Universe

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



17.7915, 0.1834, 0.1803



27.5226, 0.1829, 0.1785



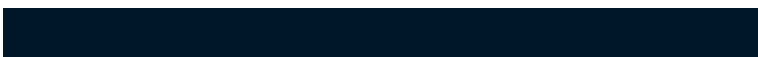
5.0170, 0.1514, 0.0648



12.5188, 0.2983, 0.3187



11.1698, 0.1841, 0.1826



0.7806, 0.1922, 0.2120

Previews

White Background



This preview shows how the Yxy color 20.8676, 0.5623, 0.3918 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 20.8676, 0.5623, 0.3918 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 20.8676, 0.5623, 0.3918

Background



This preview shows how black text looks on a background with the Yxy color 20.8676, 0.5623, 0.3918.



This preview shows how white text looks on a background with the Yxy color 20.8676, 0.5623, 0.3918.

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

20.8676, 0.5623, 0.3918

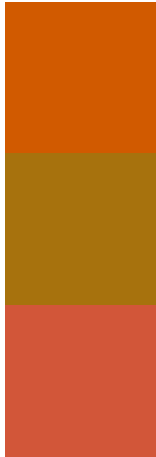
Protanopia

21.0689, 0.4344, 0.4806

Tritanopia

20.9108, 0.4932, 0.3239

Trichromacy



Original Color

20.8676, 0.5623, 0.3918

Protanomaly

20.2792, 0.4847, 0.4463

Tritanomaly

20.6526, 0.5326, 0.3589

Monochromacy



Original Color

20.8676, 0.5623, 0.3918

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.1787, 0.4208, 0.3855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8676, 0.5623, 0.3918 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, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 90, 0)  
}
```

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, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 90, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.8676, 0.5623, 0.3918 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, 90, 0) }
```

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

```
.border{ border-color:rgb(209, 90, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 90, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 20.8676, 0.5623, 0.3918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 90, 0) }
```

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

```
.background{ background-color: rgb(209, 90,  
0) }
```

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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