

Converting Colors

$Y_{xy}(20.4661, 0.5866, 0.3668)$

Have a look what the booklet for
Yxy(20.4661, 0.5866, 0.3668)
contains.

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Color

Yxy(20.4562, 0.5860, 0.3672)

Conversions

Conversions Part 1

Format	Color
Hex	DE4A0D
RGB	222, 74, 13
RGB Percent	87%, 29%, 5%
CMY	0.1294, 0.7098, 0.9492
CMYK	0.00, 0.67, 0.94, 0.13
HSL	18°, 89%, 46%
HSV	18°, 94%, 87%
XYZ	32.6452, 20.4562, 2.6072
YIQ	111.2980, 107.7890, 12.4050

Conversions

Conversions Part 2

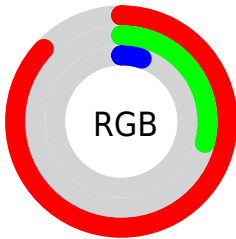
Format	Color
RYB	222, 99, 13
Decimal	14567949
CIELab	52.35, 55.55, 60.20
CIELCh	52, 81.912, 47.300
Yxy	20.4562, 0.5860, 0.3672
Android (android.graphics.Color)	4292758029 (0xFFDE4A0D)
YUV	111.2980, -48.4609, 97.0857
Hunter-Lab	45.2285, 49.6886, 28.2422

Details

The Yxy color **20.4562, 0.5860, 0.3672** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **30.8304, 0.1997, 0.2361**, and the grayscale version is **16.1080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3779, 0.5139, 0.3832**, and **7.2908, 0.6395, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **19.2912, 0.6001, 0.3617**, and if you desaturate by 10%, it is **22.9181, 0.5565, 0.3744**.

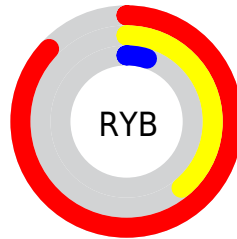
Distribution



Red (87%)

Green (29%)

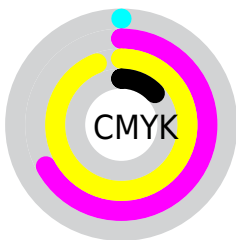
Blue (5%)



Red (87%)

Yellow (39%)

Blue (5%)

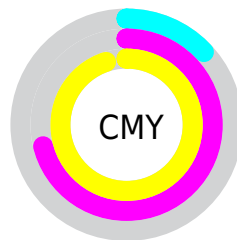


Cyan (0%)

Magenta (67%)

Yellow (94%)

Black (13%)



Cyan (13%)


Magenta (71%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4562, 0.5860, 0.3672 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 20.4562, 0.5860, 0.3672 by changing the saturation by 10% instead.


 20.4562, 0.5860,
0.3672


 20.4562, 0.5860,
0.3672


254.3742, 0.4423,
0.3680


 12.7271, 0.6177,
0.3571


 44.1807, 0.5354,
0.3744


 7.2409, 0.6588,
0.3412


 60.9449, 0.5156,
0.3749


 3.6132, 0.6939,
0.3061

 81.4896, 0.4986,
0.3745

 1.4596, 0.7452,
0.2548

 106.1992, 0.4840,
0.3735

 0.2601, 0.8771,
0.1229

 135.4580, 0.4714,
0.3722


 0.0000, 1.0000,
0.0000


 169.6506, 0.4604,

 0.0000, 0.0000,

0.3708


0.0000

 209.1612, 0.4508,
0.3694


 20.4562, 0.5860,
0.3672

 20.4562, 0.5860,
0.3672

 19.2912, 0.6001,
0.3617

 22.9181, 0.5565,
0.3744

 26.0222, 0.5210,
0.3769

 29.8157, 0.4834,
0.3752

 34.3401, 0.4469,
0.3703

 39.6329, 0.4134,
0.3635

■ 45.7290, 0.3840,
0.3556

■ 52.6612, 0.3588,
0.3475

■ 60.4603, 0.3374,
0.3395

■ 69.1553, 0.3193,
0.3320

Harmonies

Analogous

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



20.4562, 0.5551, 0.2882



20.4562, 0.5860, 0.3672



20.4562, 0.5231, 0.4606

Triad

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



20.4562, 0.5860, 0.3672



20.4562, 0.1812, 0.4926



20.4562, 0.1671, 0.1385

Complementary

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



20.4562, 0.5860, 0.3672



30.8304, 0.1997, 0.2361

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.



20.4562, 0.1135, 0.1443



20.4562, 0.5860, 0.3672



20.4562, 0.1145, 0.3040

Square

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



20.4562, 0.5860, 0.3672



20.4562, 0.2920, 0.6099



20.4562, 0.0965, 0.1900



20.4562, 0.2709, 0.1632

Rectangle

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



20.4562, 0.5860, 0.3672



20.4562, 0.4529, 0.5308



20.4562, 0.0965, 0.1900



20.4562, 0.1444, 0.1369

Sweetspot

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



20.4574, 0.5860, 0.3672



68.1053, 0.3685, 0.3508



18.4523, 0.4029, 0.2017



13.7074, 0.3797, 0.3543



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.



20.4574, 0.5860, 0.3672



26.2212, 0.6014, 0.3607



46.8869, 0.4597, 0.4700



14.3495, 0.3285, 0.3359



11.6259, 0.5975, 0.3638



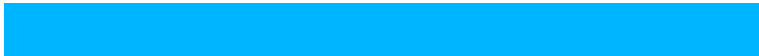
0.9575, 0.5670, 0.3880

Inverse Universe

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



30.8304, 0.1997, 0.2361



40.0750, 0.1969, 0.2289



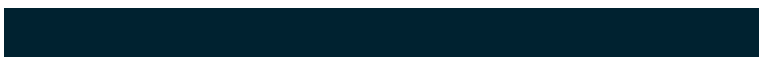
8.4107, 0.1596, 0.0902



14.8607, 0.2982, 0.3220



17.6893, 0.1976, 0.2313



1.3784, 0.2023, 0.2482

Previews

White Background



This preview shows how the Yxy color 20.4562, 0.5860, 0.3672 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 20.4562, 0.5860, 0.3672 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 20.4562, 0.5860, 0.3672

Background



This preview shows how black text looks on a background with the Yxy color 20.4562, 0.5860, 0.3672.



This preview shows how white text looks on a background with the Yxy color 20.4562, 0.5860, 0.3672.

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

20.4562, 0.5860, 0.3672

Protanopia

20.6683, 0.4296, 0.4759

Deuteranopia

20.4628, 0.4702, 0.4649



Tritanopia

20.4253, 0.5389, 0.3260

Trichromacy



Original Color

20.4562, 0.5860, 0.3672

Protanomaly

19.1233, 0.4946, 0.4302

Deuteranomaly

19.5352, 0.5189, 0.4236

Tritanomaly

20.4335, 0.5637, 0.3461

Monochromacy



Original Color

20.4562, 0.5860, 0.3672

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.8227, 0.4283, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4562, 0.5860, 0.3672 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(222, 74, 13)` looks like.

```
.text, #text, p{  
    color:rgb(222, 74, 13)  
}
```

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(222, 74, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 74, 13) }
```

Border

The CSS property to change the border of an element to Yxy 20.4562, 0.5860, 0.3672 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(222, 74, 13) }
```

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

```
.border{ border-color:rgb(222, 74, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 74, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 74, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 74, 13);  
box-shadow:4px 4px 4px 4px rgb(222, 74,  
13) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.4562, 0.5860, 0.3672$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 74, 13) }
```

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

```
.background{ background-color: rgb(222, 74,  
13) }
```

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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