

Converting Colors

$Y_{xy}(20.6258, 0.5692, 0.3863)$

Have a look what the booklet for
Yxy(20.6258, 0.5692, 0.3863)
contains.

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Color

Yxy(20.6526, 0.5696, 0.3859)

Conversions

Conversions Part 1

Format	Color
Hex	D45600
RGB	212, 86, 0
RGB Percent	83%, 34%, 0%
CMY	0.1685, 0.6628, 0.9997
CMYK	0.00, 0.59, 1.00, 0.17
HSL	24°, 100%, 42%
HSV	24°, 100%, 83%
XYZ	30.4839, 20.6526, 2.3816
YIQ	113.8700, 102.7020, -0.0340

Conversions

Conversions Part 2

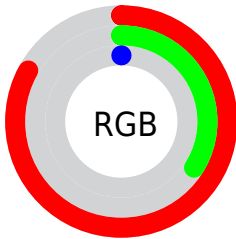
Format	Color
R _Y B	212, 145, 0
Decimal	13915648
CIE Lab	52.57, 46.70, 62.29
CIE LCh	53, 77.852, 53.136
Yxy	20.6526, 0.5696, 0.3859
Android (android.graphics.Color)	4292105728 (0xFFD45600)
YUV	113.8700, -56.1379, 86.0600
Hunter-Lab	45.4451, 40.2059, 28.7045

Details

The Yxy color **20.6526, 0.5696, 0.3859** 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 **19.7027, 0.1859, 0.1892**, and the grayscale version is **16.9364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0730, 0.5083, 0.3968**, and **7.3695, 0.6136, 0.3510** is the 20% darker color. If you saturate the color by 10%, you get **20.6470, 0.5697, 0.3859**, and if you desaturate by 10%, it is **22.9023, 0.5460, 0.3942**.

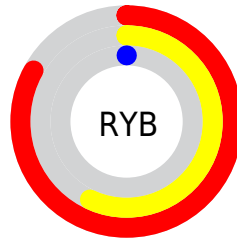
Distribution



Red (83%)

Green (34%)

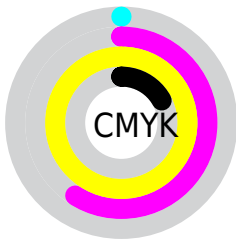
Blue (0%)



Red (83%)

Yellow (57%)

Blue (0%)

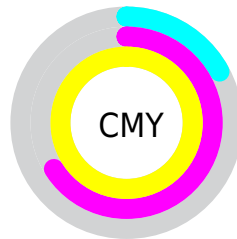


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (66%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6526, 0.5696, 0.3859 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 20.6526, 0.5696, 0.3859 by changing the saturation by 10% instead.


 20.6526, 0.5696,
0.3859


 20.6526, 0.5696,
0.3859


255.4265, 0.4357,
0.3759


 12.8703, 0.5987,
0.3785


 44.5086, 0.5229,
0.3891

 7.3393, 0.6349,
0.3651


 61.3512, 0.5044,
0.3881


 3.6752, 0.6664,
0.3336

 81.9826, 0.4886,
0.3864

 1.4936, 0.7138,
0.2862

 106.7873, 0.4749,
0.3844

 0.2842, 0.8449,
0.1551

 136.1496, 0.4631,
0.3822

 0.0000, 1.0000,
0.0000

 170.4540, 0.4528,

 0.0000, 0.0000,

0.3800


0.0000


 210.0848, 0.4437,
0.3779

 20.6526, 0.5696,
0.3859


 20.6526, 0.5696,
0.3859


 20.6470, 0.5697,
0.3859

 22.9023, 0.5460,
0.3942

 25.5837, 0.5178,
0.3979

 28.7342, 0.4864,
0.3964

 32.3800, 0.4544,
0.3907

 36.5449, 0.4236,
0.3821

■ 41.2508, 0.3954,
0.3718

■ 46.5181, 0.3702,
0.3608

■ 52.3660, 0.3481,
0.3498

■ 58.8128, 0.3291,
0.3391

Harmonies

Analogous

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



20.6526, 0.5580, 0.3062



20.6526, 0.5696, 0.3859



20.6526, 0.4995, 0.4789

Triad

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



20.6526, 0.5696, 0.3859



20.6526, 0.1713, 0.4476



20.6526, 0.1883, 0.1474

Complementary

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



20.6526, 0.5696, 0.3859



19.7027, 0.1859, 0.1892

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.



20.6526, 0.1272, 0.1473



20.6526, 0.5696, 0.3859



20.6526, 0.1154, 0.2789

Square

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



20.6526, 0.5696, 0.3859



20.6526, 0.2735, 0.5854



20.6526, 0.1042, 0.1837



20.6526, 0.2989, 0.1772

Rectangle

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



20.6526, 0.5696, 0.3859



20.6526, 0.4292, 0.5435



20.6526, 0.1042, 0.1837



20.6526, 0.1629, 0.1440

Sweetspot

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



20.6538, 0.5696, 0.3859



70.3464, 0.3710, 0.3612



15.5401, 0.4555, 0.2283



14.3076, 0.3814, 0.3659



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.



20.6538, 0.5696, 0.3859



31.0341, 0.5714, 0.3845



51.1854, 0.4382, 0.4903



13.2390, 0.3281, 0.3385



12.9291, 0.5672, 0.3879



0.9401, 0.5358, 0.4127

Inverse Universe

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



19.7027, 0.1859, 0.1892



29.5569, 0.1855, 0.1876



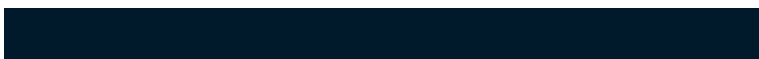
5.3010, 0.1517, 0.0661



13.2242, 0.2982, 0.3193



12.3574, 0.1865, 0.1913



0.9060, 0.1938, 0.2175

Previews

White Background



This preview shows how the Yxy color 20.6526, 0.5696, 0.3859 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 20.6526, 0.5696, 0.3859 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 20.6526, 0.5696, 0.3859

Background



This preview shows how black text looks on a background with the Yxy color 20.6526, 0.5696, 0.3859.



This preview shows how white text looks on a background with the Yxy color 20.6526, 0.5696, 0.3859.

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

20.6526, 0.5696, 0.3859

Protanopia

20.7266, 0.4341, 0.4798

Deuteranopia

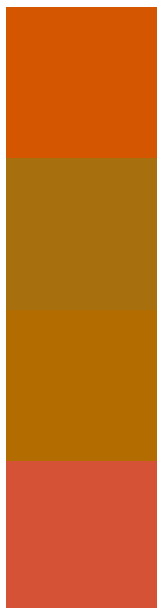
20.8039, 0.4698, 0.4651



Tritanopia

20.6893, 0.5052, 0.3242

Trichromacy



Original Color

20.6526, 0.5696, 0.3859

Protanomaly

19.6134, 0.4894, 0.4424

Deuteranomaly

20.1901, 0.5095, 0.4336

Tritanomaly

20.4471, 0.5425, 0.3564

Monochromacy



Original Color

20.6526, 0.5696, 0.3859

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.8657, 0.4241, 0.3819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6526, 0.5696, 0.3859 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(212, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 86, 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(212, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 86, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.6526, 0.5696, 0.3859 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(212, 86, 0) }
```

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

```
.border{ border-color:rgb(212, 86, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 86, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 86, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.6526, 0.5696, 0.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 86, 0) }
```

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

```
.background{ background-color: rgb(212, 86,  
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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