

Converting Colors

$Y_{xy}(20.0646, 0.5652, 0.3737)$

Have a look what the booklet for
Yxy(20.0646, 0.5652, 0.3737)
contains.

Yxy(20.1108, 0.5645, 0.3738)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.1108, 0.5645, 0.3738)

Conversions

Conversions Part 1

Format	Color
Hex	D4521B
RGB	212, 82, 27
RGB Percent	83%, 32%, 11%
CMY	0.1686, 0.6785, 0.8940
CMYK	0.00, 0.61, 0.87, 0.17
HSL	18°, 77%, 47%
HSV	18°, 87%, 83%
XYZ	30.3706, 20.1108, 3.3195
YIQ	114.6000, 95.1350, 10.4550

Conversions

Conversions Part 2

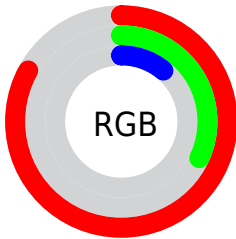
Format	Color
RYB	212, 105, 27
Decimal	13914651
CIELab	51.96, 48.89, 54.70
CIELCh	52, 73.361, 48.210
Yxy	20.1108, 0.5645, 0.3738
Android (android.graphics.Color)	4292104731 (0xFFD4521B)
YUV	114.6000, -43.1868, 85.4198
Hunter-Lab	44.8451, 42.4076, 27.0028

Details

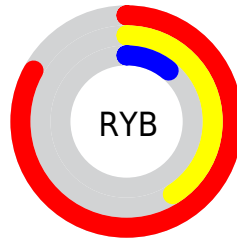
The Yxy color **20.1108, 0.5645, 0.3738** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **29.1203, 0.2031, 0.2423**, and the grayscale version is **17.1289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4184, 0.4995, 0.3829**, and **7.0848, 0.6209, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **18.0371, 0.5917, 0.3655**, and if you desaturate by 10%, it is **22.7444, 0.5306, 0.3776**.

Distribution



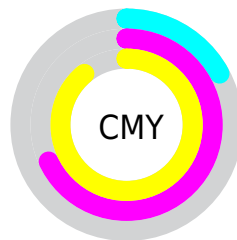
- Red (83%)
- Green (32%)
- Blue (11%)



- Red (83%)
- Yellow (41%)
- Blue (11%)



- Cyan (0%)
- Magenta (61%)
- Yellow (87%)
- Black (17%)





- Cyan (17%)
- Magenta (68%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1108, 0.5645, 0.3738 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 20.1108, 0.5645, 0.3738 by changing the saturation by 10% instead.


 20.1108, 0.5645,
0.3738


 20.1108, 0.5645,
0.3738


252.5143, 0.4293,
0.3668


 12.4756, 0.5961,
0.3669


 43.6029, 0.5157,
0.3771


 7.0685, 0.6415,
0.3570


 60.2285, 0.4969,
0.3764


 3.5050, 0.6756,
0.3244

 80.6198, 0.4811,
0.3751


 1.4007, 0.7252,
0.2748

 105.1611, 0.4676,
0.3735

 0.2172, 0.8758,
0.1242

 134.2368, 0.4560,
0.3718

 0.0000, 1.0000,
0.0000


 168.2313, 0.4459,


 0.0000, 0.0000,


0.3701

0.0000


 207.5290, 0.4371,
0.3684

 20.1108, 0.5645,
0.3738


 20.1108, 0.5645,
0.3738

 18.0371, 0.5917,
0.3655

 22.7444, 0.5306,
0.3776


 17.5538, 0.5984,
0.3631


 25.9778, 0.4936,
0.3770


 29.8493, 0.4568,
0.3728

 34.3929, 0.4226,
0.3662

 39.6400, 0.3922,
0.3585

 45.6197, 0.3659,
0.3503

 52.3595, 0.3434,
0.3421

 59.8856, 0.3245,
0.3343

 68.2227, 0.3086,
0.3271

Harmonies

Analogous

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



20.1108, 0.5351, 0.2968



20.1108, 0.5645, 0.3738



20.1108, 0.5094, 0.4614

Triad

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



20.1108, 0.5645, 0.3738



20.1108, 0.1918, 0.4693



20.1108, 0.1803, 0.1513

Complementary

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



20.1108, 0.5645, 0.3738



29.1203, 0.2031, 0.2423

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.



20.1108, 0.1273, 0.1567



20.1108, 0.5645, 0.3738



20.1108, 0.1282, 0.3047

Square

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



20.1108, 0.5645, 0.3738



20.1108, 0.2961, 0.5791



20.1108, 0.1102, 0.2006



20.1108, 0.2793, 0.1758

Rectangle

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



20.1108, 0.5645, 0.3738



20.1108, 0.4457, 0.5230



20.1108, 0.1102, 0.2006



20.1108, 0.1580, 0.1496

Sweetspot

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



20.1120, 0.5645, 0.3738



70.2274, 0.3635, 0.3495



17.3090, 0.3946, 0.2017



14.3151, 0.3721, 0.3524



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.



20.1120, 0.5645, 0.3738



26.3963, 0.6002, 0.3616



43.5597, 0.4532, 0.4690



13.0162, 0.3284, 0.3360



10.9879, 0.5959, 0.3651



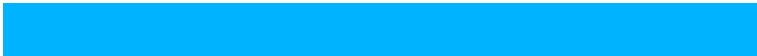
0.8060, 0.5615, 0.3924

Inverse Universe

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



29.1203, 0.2031, 0.2423



39.5553, 0.1964, 0.2271



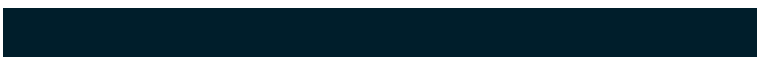
9.0150, 0.1656, 0.1040



13.4558, 0.2982, 0.3219



16.3889, 0.1972, 0.2298



1.1295, 0.2025, 0.2489

Previews

White Background



This preview shows how the Yxy color 20.1108, 0.5645, 0.3738 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 20.1108, 0.5645, 0.3738 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 20.1108, 0.5645, 0.3738

Background



This preview shows how black text looks on a background with the Yxy color 20.1108, 0.5645, 0.3738.



This preview shows how white text looks on a background with the Yxy color 20.1108, 0.5645, 0.3738.

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

20.1108, 0.5645, 0.3738

Protanopia

20.3826, 0.4236, 0.4667

Deuteranopia

20.1250, 0.4705, 0.4646



Tritanopia

20.1980, 0.5134, 0.3254

Trichromacy



Original Color

20.1108, 0.5645, 0.3738

Protanomaly

19.1598, 0.4804, 0.4284

Deuteranomaly

19.4722, 0.5104, 0.4277

Tritanomaly

20.0750, 0.5376, 0.3473

Monochromacy



Original Color

20.1108, 0.5645, 0.3738

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.8091, 0.4108, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1108, 0.5645, 0.3738 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, 82, 27)` looks like.

```
.text, #text, p{  
    color:rgb(212, 82, 27)  
}
```

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, 82, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 82, 27) }
```

Border

The CSS property to change the border of an element to Yxy 20.1108, 0.5645, 0.3738 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, 82, 27) }
```

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

```
.border{ border-color:rgb(212, 82, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 82, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 82, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 82, 27);  
box-shadow:4px 4px 4px 4px rgb(212, 82,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1108, 0.5645, 0.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 82, 27) }
```

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

```
.background{ background-color: rgb(212, 82,  
27) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor