

Converting Colors

$Y_{xy}(21.2433, 0.5670, 0.3783)$

Have a look what the booklet for
Yxy(21.2433, 0.5670, 0.3783)
contains.

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Color

Yxy(21.1464, 0.5668, 0.3782)

Conversions

Conversions Part 1

Format	Color
Hex	D85514
RGB	216, 85, 20
RGB Percent	85%, 33%, 8%
CMY	0.1530, 0.6666, 0.9214
CMYK	0.00, 0.61, 0.91, 0.15
HSL	20°, 83%, 46%
HSV	20°, 91%, 85%
XYZ	31.6916, 21.1464, 3.0752
YIQ	116.7590, 98.9410, 7.5570

Conversions

Conversions Part 2

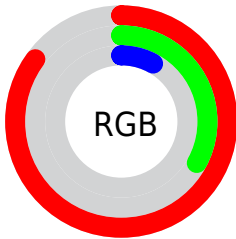
Format	Color
R_{YB}	216, 117, 20
Decimal	14177556
CIE _{Lab}	53.11, 48.83, 58.25
CIE _{LCh}	53, 76.007, 50.026
Yxy	21.1464, 0.5668, 0.3782
Android (android.graphics.Color)	4292367636 (0xFFD85514)
YUV	116.7590, -47.7022, 87.0344
Hunter-Lab	45.9852, 42.5428, 28.2247

Details

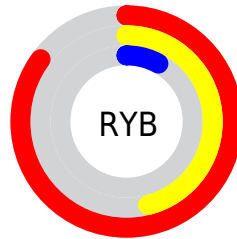
The Yxy color **21.1464, 0.5668, 0.3782** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **27.2457, 0.1980, 0.2271**, and the grayscale version is **17.8417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2063, 0.5006, 0.3895**, and **7.6510, 0.6174, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **19.1826, 0.5900, 0.3697**, and if you desaturate by 10%, it is **23.7719, 0.5360, 0.3834**.

Distribution



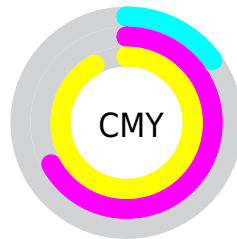
- Red (85%)
- Green (33%)
- Blue (8%)



- Red (85%)
- Yellow (46%)
- Blue (8%)



- Cyan (0%)
- Magenta (61%)
- Yellow (91%)
- Black (15%)




- Cyan (15%)
- Magenta (67%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1464, 0.5668, 0.3782 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 21.1464, 0.5668, 0.3782 by changing the saturation by 10% instead.

 21.1464, 0.5668,
0.3782


 21.1464, 0.5668,
0.3782


258.0555, 0.4326,
0.3703


 13.2311, 0.5970,
0.3712


 45.3311, 0.5191,
0.3814


 7.5878, 0.6392,
0.3608


 62.3692, 0.5006,
0.3807

 3.8324, 0.6709,
0.3291

 83.2170, 0.4848,
0.3793

 1.5802, 0.7182,
0.2818

 108.2589, 0.4713,
0.3776

 0.3442, 0.8330,
0.1670

 137.8793, 0.4596,
0.3757

 0.0000, 1.0000,
0.0000

 172.4626, 0.4494,

 0.0000, 0.0000,


0.3739


0.0000


 212.3932, 0.4405,
0.3721

 21.1464, 0.5668,
0.3782


 21.1464, 0.5668,
0.3782


 19.1826, 0.5900,
0.3697

 23.7719, 0.5360,
0.3834

 26.9690, 0.5012,
0.3837

 30.7749, 0.4656,
0.3799

 35.2217, 0.4316,
0.3733

 40.3395, 0.4008,
0.3650

■ 46.1559, 0.3738,
0.3559

■ 52.6970, 0.3505,
0.3468

■ 59.9875, 0.3306,
0.3379

■ 68.0508, 0.3138,
0.3296

Harmonies

Analogous

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



21.1464, 0.5437, 0.3002



21.1464, 0.5668, 0.3782



21.1464, 0.5061, 0.4677

Triad

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



21.1464, 0.5668, 0.3782



21.1464, 0.1842, 0.4618



21.1464, 0.1830, 0.1498

Complementary

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



21.1464, 0.5668, 0.3782



27.2457, 0.1980, 0.2271

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.



21.1464, 0.1271, 0.1531



21.1464, 0.5668, 0.3782



21.1464, 0.1233, 0.2952

Square

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



21.1464, 0.5668, 0.3782



21.1464, 0.2879, 0.5818



21.1464, 0.1079, 0.1942



21.1464, 0.2862, 0.1762

Rectangle

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



21.1464, 0.5668, 0.3782



21.1464, 0.4399, 0.5304



21.1464, 0.1079, 0.1942



21.1464, 0.1597, 0.1474

Sweetspot

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



21.1476, 0.5668, 0.3782



70.4023, 0.3653, 0.3527



17.4303, 0.4098, 0.2077



14.3920, 0.3737, 0.3559



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.



21.1476, 0.5668, 0.3782



27.6868, 0.5916, 0.3685



47.3171, 0.4499, 0.4754



13.0868, 0.3283, 0.3368



11.5329, 0.5872, 0.3719



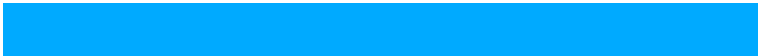
0.8454, 0.5534, 0.3988

Inverse Universe

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



27.2457, 0.1980, 0.2271



36.1374, 0.1929, 0.2144



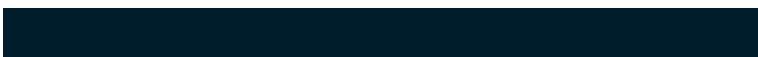
7.9319, 0.1606, 0.0904



13.3817, 0.2982, 0.3211



15.0143, 0.1938, 0.2175



1.0546, 0.1997, 0.2390

Previews

White Background



This preview shows how the Yxy color 21.1464, 0.5668, 0.3782 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 21.1464, 0.5668, 0.3782 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 21.1464, 0.5668, 0.3782

Background



This preview shows how black text looks on a background with the Yxy color 21.1464, 0.5668, 0.3782.



This preview shows how white text looks on a background with the Yxy color 21.1464, 0.5668, 0.3782.

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

21.1464, 0.5668, 0.3782

Protanopia

21.3769, 0.4280, 0.4742

Deuteranopia

21.2518, 0.4707, 0.4645



Tritanopia

21.1375, 0.5112, 0.3244

Trichromacy



Original Color

21.1464, 0.5668, 0.3782

Protanomaly

20.2135, 0.4850, 0.4344

Deuteranomaly

20.5642, 0.5106, 0.4293

Tritanomaly

20.9735, 0.5388, 0.3488

Monochromacy



Original Color

21.1464, 0.5668, 0.3782

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.4847, 0.4148, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1464, 0.5668, 0.3782 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(216, 85, 20)` looks like.

```
.text, #text, p{  
    color:rgb(216, 85, 20)  
}
```

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(216, 85, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 85, 20) }
```

Border

The CSS property to change the border of an element to Yxy 21.1464, 0.5668, 0.3782 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(216, 85, 20) }
```

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

```
.border{ border-color:rgb(216, 85, 20) }
```

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

Here you see how a box with a 4 pixel rgb(216, 85, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 85, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 85, 20);  
box-shadow:4px 4px 4px 4px rgb(216, 85,  
20) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.1464, 0.5668, 0.3782$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 85, 20) }
```

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

```
.background{ background-color: rgb(216, 85,  
20) }
```

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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