

Converting Colors

$Y_{xy}(10.4043, 0.6200, 0.3436)$

Have a look what the booklet for
Yxy(10.4043, 0.6200, 0.3436)
contains.

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Color

Yxy(10.4515, 0.6201, 0.3435)

Conversions

Conversions Part 1

Format	Color
Hex	B21F03
RGB	178, 31, 3
RGB Percent	70%, 12%, 1%
CMY	0.3019, 0.8784, 0.9884
CMYK	0.00, 0.83, 0.98, 0.30
HSL	10°, 97%, 35%
HSV	10°, 98%, 70%
XYZ	18.8675, 10.4515, 1.1075
YIQ	71.7610, 96.6000, 22.4560

Conversions

Conversions Part 2

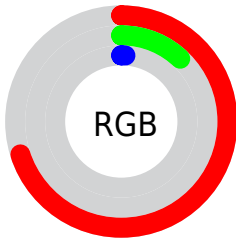
Format	Color
R_{YB}	178, 36, 3
Decimal	11673347
CIE _{Lab}	38.64, 56.15, 50.87
CIE _{LCh}	39, 75.771, 42.177
Yxy	10.4515, 0.6201, 0.3435
Android (android.graphics.Color)	4289863427 (0xFFB21F03)
YUV	71.7610, -33.8992, 93.1716
Hunter-Lab	32.3288, 47.5994, 20.5990

Details

The Yxy color **10.4515, 0.6201, 0.3435** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **25.0317, 0.2109, 0.2783**, and the grayscale version is **6.4832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6258, 0.5535, 0.3592**, and **3.6448, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.3213, 0.6240, 0.3428**, and if you desaturate by 10%, it is **11.4689, 0.5932, 0.3494**.

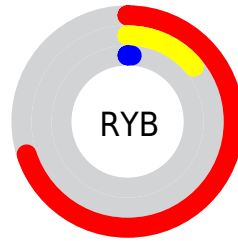
Distribution



Red (70%)

Green (12%)

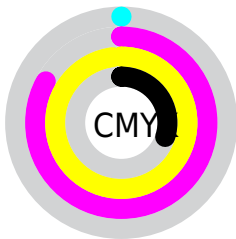
Blue (1%)



Red (70%)

Yellow (14%)

Blue (1%)

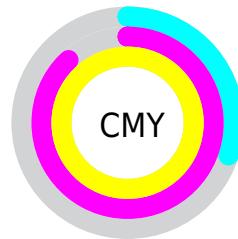


Cyan (0%)

Magenta (83%)

Yellow (98%)

Black (30%)



Cyan (30%)


Magenta (88%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4515, 0.6201, 0.3435 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 10.4515, 0.6201, 0.3435 by changing the saturation by 10% instead.


 10.4515, 0.6201,
0.3435


 10.4515, 0.6201,
0.3435


 193.8648, 0.4428,
0.3597


 5.6993, 0.6720,
0.3280

 26.6413, 0.5538,
0.3596

 2.6631, 0.7124,
0.2876

 38.8478, 0.5289,
0.3622


 0.9585, 0.7725,
0.2275

 54.3078, 0.5081,
0.3631

 0.0000, 1.0000,
0.0000

 73.4057, 0.4906,
0.3630


 0.0000, 0.0000,
0.0000


 96.5260, 0.4759,
0.3625


 124.0530, 0.4632,


0.3617


 156.3712, 0.4523,
0.3607


 10.4515, 0.6201,
0.3435


 10.4515, 0.6201,
0.3435

 10.3213, 0.6240,
0.3428

 11.4689, 0.5932,
0.3494

 12.9357, 0.5566,
0.3532

 14.9021, 0.5147,
0.3541

 17.4089, 0.4725,
0.3526

 20.4923, 0.4335,
0.3495

■ 24.1854, 0.3993,
0.3454

■ 28.5187, 0.3704,
0.3410

■ 33.5209, 0.3464,
0.3365

■ 39.2187, 0.3265,
0.3323

Harmonies

Analogous

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



10.4515, 0.5708, 0.2644



10.4515, 0.6201, 0.3435



10.4515, 0.5575, 0.4425

Triad

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



10.4515, 0.6201, 0.3435



10.4515, 0.1779, 0.5606



10.4515, 0.1384, 0.1196

Complementary

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



10.4515, 0.6201, 0.3435



25.0317, 0.2109, 0.2783

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.



10.4515, 0.0906, 0.1300



10.4515, 0.6201, 0.3435



10.4515, 0.1004, 0.3280

Square

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



10.4515, 0.6201, 0.3435



10.4515, 0.2997, 0.6544



10.4515, 0.0778, 0.1853



10.4515, 0.2395, 0.1401

Rectangle

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



10.4515, 0.6201, 0.3435



10.4515, 0.4781, 0.5219



10.4515, 0.0778, 0.1853



10.4515, 0.1177, 0.1194

Sweetspot

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



10.4522, 0.6201, 0.3435



49.9024, 0.3763, 0.3419



11.7884, 0.3619, 0.1774



10.3220, 0.3882, 0.3438



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.4522, 0.6201, 0.3435



18.4988, 0.6261, 0.3410



22.1333, 0.4952, 0.4436



8.7180, 0.3283, 0.3327



7.4471, 0.6224, 0.3440



0.3018, 0.5767, 0.3803

Inverse Universe

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



25.0317, 0.2109, 0.2783



44.7988, 0.2101, 0.2764



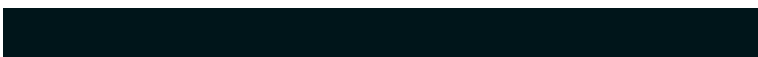
6.9251, 0.1659, 0.1158



9.3950, 0.2986, 0.3253



17.8644, 0.2106, 0.2780



0.6240, 0.2149, 0.2936

Previews

White Background



This preview shows how the Yxy color 10.4515, 0.6201, 0.3435 looks on a white background.

Color Contrast Check

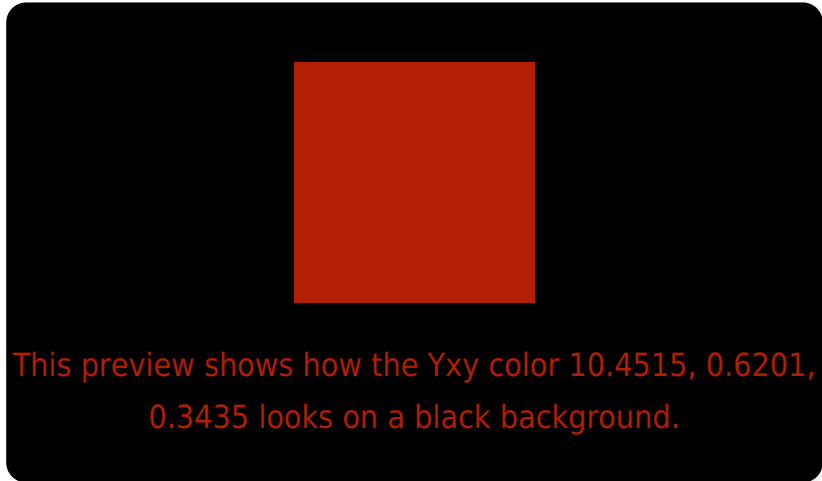
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

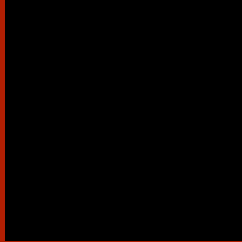
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.4515, 0.6201, 0.3435

Background



This preview shows how black text looks on a background with the Yxy color 10.4515, 0.6201, 0.3435.



This preview shows how white text looks on a background with the Yxy color 10.4515, 0.6201, 0.3435.

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

10.4515, 0.6201, 0.3435

Protanopia

10.8297, 0.4260, 0.4722

Deuteranopia

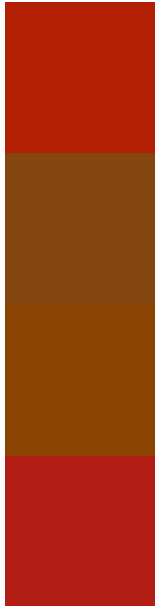
10.7614, 0.4688, 0.4660



Tritanopia

10.4275, 0.6026, 0.3306

Trichromacy



Original Color

10.4515, 0.6201, 0.3435

Protanomaly

9.2401, 0.5172, 0.4107

Deuteranomaly

9.5055, 0.5419, 0.4069

Tritanomaly

10.4405, 0.6107, 0.3366

Monochromacy



Original Color

10.4515, 0.6201, 0.3435

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.5110, 0.4602, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4515, 0.6201, 0.3435 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(178, 31, 3)` looks like.

```
.text, #text, p{  
    color:rgb(178, 31, 3)  
}
```

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(178, 31, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 31, 3) }
```

Border

The CSS property to change the border of an element to Yxy 10.4515, 0.6201, 0.3435 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(178, 31, 3) }
```

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

```
.border{ border-color:rgb(178, 31, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 31, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 31, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 31, 3);  
box-shadow:4px 4px 4px 4px rgb(178, 31, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.4515, 0.6201, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 31, 3) }
```

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

```
.background{ background-color: rgb(178, 31,  
3) }
```

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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