

Converting Colors

$Y_{xy}(10.0743, 0.6398, 0.3602)$

Have a look what the booklet for
Yxy(10.0743, 0.6398, 0.3602)
contains.

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Color

Yxy(10.0864, 0.6189, 0.3468)

Conversions

Conversions Part 1

Format	Color
Hex	AE2100
RGB	174, 33, 0
RGB Percent	68%, 13%, 0%
CMY	0.3176, 0.8706, 1.0000
CMYK	0.00, 0.81, 1.00, 0.32
HSL	11°, 100%, 34%
HSV	11°, 100%, 68%
XYZ	18.0002, 10.0864, 0.9976
YIQ	71.3970, 94.6290, 19.6290

Conversions

Conversions Part 2

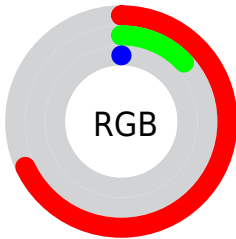
Format	Color
R_{YB}	174, 41, 0
Decimal	11411712
CIE _{Lab}	38.00, 54.39, 51.25
CIE _{LCh}	38, 74.729, 43.298
Yxy	10.0864, 0.6189, 0.3468
Android (android.graphics.Color)	4289601792 (0xFFAE2100)
YUV	71.3970, -35.1987, 89.9828
Hunter-Lab	31.7591, 45.5906, 20.3690

Details

The Yxy color **10.0864, 0.6189, 0.3468** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **22.1065, 0.2076, 0.2674**, and the grayscale version is **6.4214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0705, 0.5525, 0.3630**, and **3.4447, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.0871, 0.6189, 0.3468**, and if you desaturate by 10%, it is **11.0822, 0.5923, 0.3533**.

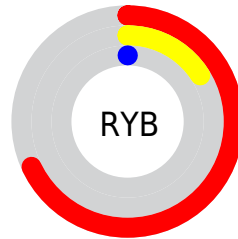
Distribution



Red (68%)

Green (13%)

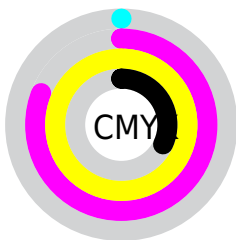
Blue (0%)



Red (68%)

Yellow (16%)

Blue (0%)

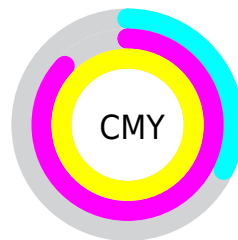


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (32%)



Cyan (32%)

Magenta (87%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0864, 0.6189, 0.3468 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 10.0864, 0.6189, 0.3468 by changing the saturation by 10% instead.


 10.0864, 0.6189,
0.3468


 10.0864, 0.6189,
0.3468


 191.2876, 0.4419,
0.3614


 5.4563, 0.6694,
0.3306

 25.9579, 0.5528,
0.3626


 2.5174, 0.7102,
0.2898

 37.9680, 0.5279,
0.3650


 0.8853, 0.7715,
0.2285

 53.2070, 0.5071,
0.3656

 0.0000, 1.0000,
0.0000


 72.0591, 0.4897,
0.3654

 0.0000, 0.0000,
0.0000

 94.9089, 0.4749,
0.3647


 122.1406, 0.4623,


0.3637


 154.1387, 0.4514,
0.3626

 10.0864, 0.6189,
0.3468


 10.0864, 0.6189,
0.3468


 10.0871, 0.6189,
0.3468

 11.0822, 0.5923,
0.3533

 12.4786, 0.5573,
0.3578

 14.3224, 0.5169,
0.3590

 16.6485, 0.4757,
0.3574

 19.4884, 0.4372,
0.3538

■ 22.8706, 0.4031,
0.3491

■ 26.8218, 0.3741,
0.3440

■ 31.3667, 0.3497,
0.3387

■ 36.5285, 0.3295,
0.3337

Harmonies

Analogous

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



10.0864, 0.5747, 0.2674



10.0864, 0.6189, 0.3468



10.0864, 0.5533, 0.4467

Triad

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



10.0864, 0.6189, 0.3468



10.0864, 0.1742, 0.5521



10.0864, 0.1413, 0.1201

Complementary

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



10.0864, 0.6189, 0.3468



22.1065, 0.2076, 0.2674

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.



10.0864, 0.0919, 0.1293



10.0864, 0.6189, 0.3468



10.0864, 0.0990, 0.3206

Square

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



10.0864, 0.6189, 0.3468



10.0864, 0.2950, 0.6545



10.0864, 0.0780, 0.1823



10.0864, 0.2447, 0.1417

Rectangle

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



10.0864, 0.6189, 0.3468



10.0864, 0.4733, 0.5267



10.0864, 0.0780, 0.1823



10.0864, 0.1200, 0.1195

Sweetspot

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



10.0871, 0.6189, 0.3468



48.2420, 0.3755, 0.3442



10.9553, 0.3733, 0.1830



10.0406, 0.3870, 0.3464



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



10.0871, 0.6189, 0.3468



18.0538, 0.6213, 0.3449



22.1698, 0.4884, 0.4504



8.2521, 0.3282, 0.3334



7.3829, 0.6172, 0.3481



0.2761, 0.5644, 0.3901

Inverse Universe

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



22.1065, 0.2076, 0.2674



39.7849, 0.2073, 0.2662



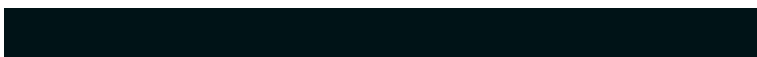
5.7982, 0.1624, 0.1045



8.8100, 0.2986, 0.3246



16.1147, 0.2078, 0.2681



0.5139, 0.2135, 0.2885

Previews

White Background



This preview shows how the Yxy color 10.0864, 0.6189, 0.3468 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 10.0864, 0.6189, 0.3468

Background



This preview shows how black text looks on a background with the Yxy color 10.0864, 0.6189, 0.3468.



This preview shows how white text looks on a background with the Yxy color 10.0864, 0.6189, 0.3468.

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

10.0864, 0.6189, 0.3468

Protanopia

10.3611, 0.4266, 0.4724

Deuteranopia

10.3004, 0.4697, 0.4653



Tritanopia

10.0724, 0.5967, 0.3306

Trichromacy



Original Color

10.0864, 0.6189, 0.3468

Protanomaly

8.9986, 0.5147, 0.4148

Deuteranomaly

9.2485, 0.5392, 0.4101

Tritanomaly

10.0787, 0.6075, 0.3385

Monochromacy



Original Color

10.0864, 0.6189, 0.3468

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.3039, 0.4589, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0864, 0.6189, 0.3468 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(174, 33, 0)` looks like.

```
.text, #text, p{  
    color:rgb(174, 33, 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(174, 33, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 33, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.0864, 0.6189, 0.3468 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(174, 33, 0) }
```

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

```
.border{ border-color:rgb(174, 33, 0) }
```

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

Here you see how a box with a 4 pixel rgb(174, 33, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 33, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 33, 0);  
box-shadow:4px 4px 4px 4px rgb(174, 33, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0864, 0.6189, 0.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 33, 0) }
```

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

```
.background{ background-color: rgb(174, 33,  
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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