

Converting Colors

$Y_{xy}(10.1735, 0.6232, 0.3434)$

Have a look what the booklet for
Yxy(10.1735, 0.6232, 0.3434)
contains.

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Color

Yxy(10.2258, 0.6234, 0.3432)

Conversions

Conversions Part 1

Format	Color
Hex	B11D00
RGB	177, 29, 0
RGB Percent	69%, 11%, 0%
CMY	0.3058, 0.8864, 0.9999
CMYK	0.00, 0.84, 1.00, 0.31
HSL	10°, 100%, 35%
HSV	10°, 100%, 69%
XYZ	18.5745, 10.2258, 0.9952
YIQ	69.9460, 97.5170, 22.3570

Conversions

Conversions Part 2

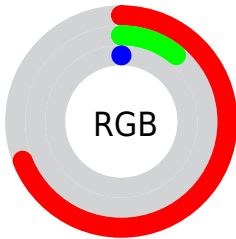
Format	Color
RYB	177, 35, 0
Decimal	11607296
CIELab	38.24, 56.34, 51.71
CIElCh	38, 76.474, 42.545
Yxy	10.2258, 0.6234, 0.3432
Android (android.graphics.Color)	4289797376 (0xFFB11D00)
YUV	69.9460, -34.4834, 93.8864
Hunter-Lab	31.9778, 47.7216, 20.5393

Details

The Yxy color **10.2258, 0.6234, 0.3432** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **24.3780, 0.2101, 0.2762**, and the grayscale version is **6.1588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2521, 0.5564, 0.3604**, and **3.5774, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.2258, 0.6234, 0.3432**, and if you desaturate by 10%, it is **11.1765, 0.5976, 0.3490**.

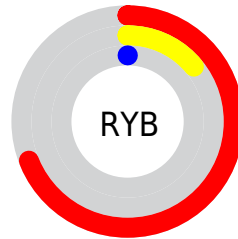
Distribution



Red (69%)

Green (11%)

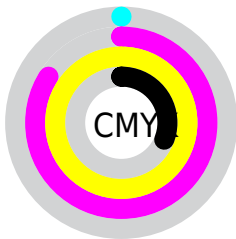
Blue (0%)



Red (69%)

Yellow (14%)

Blue (0%)

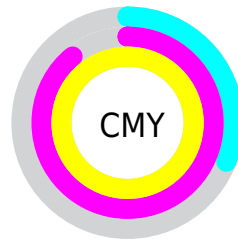


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (89%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2258, 0.6234, 0.3432 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 10.2258, 0.6234, 0.3432 by changing the saturation by 10% instead.


 10.2258, 0.6234,
0.3432

 10.2258, 0.6234,
0.3432


 192.2761, 0.4445,
0.3605


 5.5489, 0.6739,
0.3261


 26.2193, 0.5568,
0.3602


 2.5728, 0.7149,
0.2851


 38.3048, 0.5316,
0.3629

 0.9130, 0.7761,
0.2239

 53.6286, 0.5106,
0.3639

 0.0000, 1.0000,
0.0000


 72.5751, 0.4929,
0.3639


 0.0000, 0.0000,
0.0000


 95.5287, 0.4780,
0.3633


 122.8738, 0.4652,


0.3625


 154.9948, 0.4541,
0.3615


 10.2258, 0.6234,
0.3432

 11.1765, 0.5976,
0.3490

 12.5579, 0.5624,
0.3534

 14.4233, 0.5211,
0.3547

 16.8129, 0.4788,
0.3535

 19.7628, 0.4393,
0.3505

■ 23.3057, 0.4044,
0.3464

■ 27.4718, 0.3747,
0.3420

■ 32.2893, 0.3500,
0.3374

■ 37.7845, 0.3295,
0.3331

Harmonies

Analogous

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



10.2258, 0.5761, 0.2640



10.2258, 0.6234, 0.3432



10.2258, 0.5572, 0.4428

Triad

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



10.2258, 0.6234, 0.3432



10.2258, 0.1741, 0.5625



10.2258, 0.1374, 0.1177

Complementary

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



10.2258, 0.6234, 0.3432



24.3780, 0.2101, 0.2762

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.



10.2258, 0.0890, 0.1276



10.2258, 0.6234, 0.3432



10.2258, 0.0974, 0.3249

Square

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



10.2258, 0.6234, 0.3432



10.2258, 0.2965, 0.6602



10.2258, 0.0757, 0.1820



10.2258, 0.2400, 0.1387

Rectangle

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



10.2258, 0.6234, 0.3432



10.2258, 0.4763, 0.5237



10.2258, 0.0757, 0.1820



10.2258, 0.1165, 0.1173

Sweetspot

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



10.2264, 0.6234, 0.3432



48.7720, 0.3761, 0.3422



11.5670, 0.3627, 0.1772



9.8809, 0.3878, 0.3441



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.



10.2264, 0.6234, 0.3432



18.0969, 0.6256, 0.3415



21.6267, 0.4975, 0.4432



8.7224, 0.3283, 0.3328



7.4685, 0.6219, 0.3444



0.3036, 0.5757, 0.3811

Inverse Universe

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



24.3780, 0.2101, 0.2762



43.3701, 0.2098, 0.2753



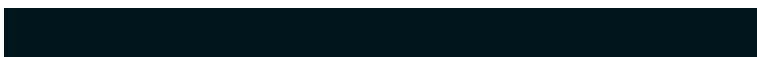
6.6168, 0.1647, 0.1128



9.3902, 0.2986, 0.3252



17.7326, 0.2102, 0.2769



0.6209, 0.2147, 0.2929

Previews

White Background



This preview shows how the Yxy color 10.2258, 0.6234, 0.3432 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

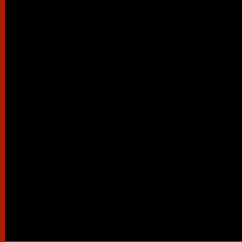
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2258, 0.6234, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 10.2258, 0.6234, 0.3432.



This preview shows how white text looks on a background with the Yxy color 10.2258, 0.6234, 0.3432.

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

10.2258, 0.6234, 0.3432

Protanopia

10.5958, 0.4259, 0.4717

Deuteranopia

10.5294, 0.4692, 0.4656



Tritanopia

10.2012, 0.6070, 0.3312

Trichromacy



Original Color

10.2258, 0.6234, 0.3432

Protanomaly

9.0338, 0.5187, 0.4105

Deuteranomaly

9.2997, 0.5435, 0.4066

Tritanomaly

10.2150, 0.6145, 0.3367

Monochromacy



Original Color

10.2258, 0.6234, 0.3432

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

6.1730, 0.4638, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2258, 0.6234, 0.3432 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(177, 29, 0)` looks like.

```
.text, #text, p{  
    color:rgb(177, 29, 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(177, 29, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 29, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.2258, 0.6234, 0.3432 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(177, 29, 0) }
```

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

```
.border{ border-color:rgb(177, 29, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 29, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 29, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 29, 0);  
box-shadow:4px 4px 4px 4px rgb(177, 29, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2258, 0.6234, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 29, 0) }
```

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

```
.background{ background-color: rgb(177, 29,  
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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