

Converting Colors

$Y_{xy}(10.6216, 0.5936, 0.3535)$

Have a look what the booklet for
Yxy(10.6216, 0.5936, 0.3535)
contains.

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Color

Yxy(10.6493, 0.5932, 0.3536)

Conversions

Conversions Part 1

Format	Color
Hex	AB2E10
RGB	171, 46, 16
RGB Percent	67%, 18%, 6%
CMY	0.3294, 0.8196, 0.9374
CMYK	0.00, 0.73, 0.91, 0.33
HSL	12°, 83%, 37%
HSV	12°, 91%, 67%
XYZ	17.8653, 10.6493, 1.6022
YIQ	79.9550, 84.1300, 17.1700

Conversions

Conversions Part 2

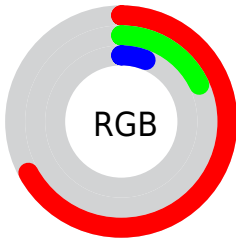
Format	Color
R_{YB}	171, 53, 16
Decimal	11218448
CIE Lab	38.98, 49.42, 45.79
CIE LCh	39, 67.369, 42.818
Yxy	10.6493, 0.5932, 0.3536
Android (android.graphics.Color)	4289408528 (0xFFAB2E10)
YUV	79.9550, -31.5298, 79.8465
Hunter-Lab	32.6333, 40.6127, 19.9323

Details

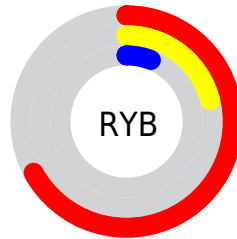
The Yxy color **10.6493, 0.5932, 0.3536** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **22.0846, 0.2107, 0.2725**, and the grayscale version is **8.0628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1700, 0.5290, 0.3638**, and **3.3150, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **9.7540, 0.6179, 0.3475**, and if you desaturate by 10%, it is **11.9783, 0.5587, 0.3584**.

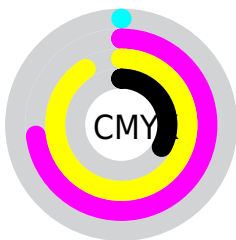
Distribution



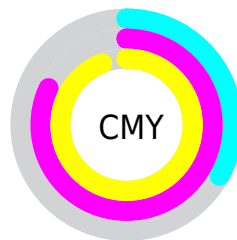
- Red (67%)
- Green (18%)
- Blue (6%)



- Red (67%)
- Yellow (21%)
- Blue (6%)



- Cyan (0%)
- Magenta (73%)
- Yellow (91%)
- Black (33%)




- Cyan (33%)
- Magenta (82%)
- Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6493, 0.5932, 0.3536 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 10.6493, 0.5932, 0.3536 by changing the saturation by 10% instead.


 10.6493, 0.5932,
0.3536


 10.6493, 0.5932,
0.3536


 195.2455, 0.4284,
0.3587


 5.8315, 0.6414,
0.3415

 27.0098, 0.5297,
0.3637


 2.7429, 0.6899,
0.3101

 39.3214, 0.5065,
0.3645


 0.9990, 0.7469,
0.2531

 54.8996, 0.4874,
0.3643

 0.0000, 1.0000,
0.0000

 74.1290, 0.4715,
0.3635


 0.0000, 0.0000,
0.0000


 97.3939, 0.4581,
0.3624


 125.0786, 0.4467,

0.3612


 157.5677, 0.4369,
0.3600


 10.6493, 0.5932,
0.3536


 10.6493, 0.5932,
0.3536


 9.7540, 0.6179,
0.3475

 11.9783, 0.5587,
0.3584

 13.7311, 0.5186,
0.3598

 15.9418, 0.4776,
0.3582

 18.6401, 0.4391,
0.3546

 21.8532, 0.4049,
0.3499

■ 25.6063, 0.3757,
0.3446

■ 29.9228, 0.3511,
0.3393

■ 34.8248, 0.3307,
0.3341

■ 40.3333, 0.3137,
0.3293

Harmonies

Analogous

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



10.6493, 0.5454, 0.2754



10.6493, 0.5932, 0.3536



10.6493, 0.5430, 0.4486

Triad

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



10.6493, 0.5932, 0.3536



10.6493, 0.1929, 0.5251



10.6493, 0.1538, 0.1347

Complementary

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



10.6493, 0.5932, 0.3536



22.0846, 0.2107, 0.2725

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.



10.6493, 0.1061, 0.1453



10.6493, 0.5932, 0.3536



10.6493, 0.1178, 0.3281

Square

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



10.6493, 0.5932, 0.3536



10.6493, 0.3084, 0.6178



10.6493, 0.0938, 0.1991



10.6493, 0.2504, 0.1551

Rectangle

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



10.6493, 0.5932, 0.3536



10.6493, 0.4768, 0.5232



10.6493, 0.0938, 0.1991



10.6493, 0.1333, 0.1345

Sweetspot

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



10.6499, 0.5932, 0.3536



48.2156, 0.3673, 0.3429



10.9977, 0.3670, 0.1842



10.2095, 0.3759, 0.3447



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



10.6499, 0.5932, 0.3536



17.2338, 0.6204, 0.3456



22.5908, 0.4765, 0.4516



8.2573, 0.3282, 0.3335



7.4135, 0.6164, 0.3487



0.2781, 0.5631, 0.3911

Inverse Universe

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



22.0846, 0.2107, 0.2725



37.4452, 0.2069, 0.2648



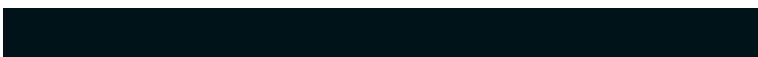
6.8366, 0.1700, 0.1229



8.8043, 0.2986, 0.3245



15.9613, 0.2074, 0.2667



0.5107, 0.2132, 0.2876

Previews

White Background



This preview shows how the Yxy color 10.6493, 0.5932, 0.3536 looks on a white background.

Color Contrast Check

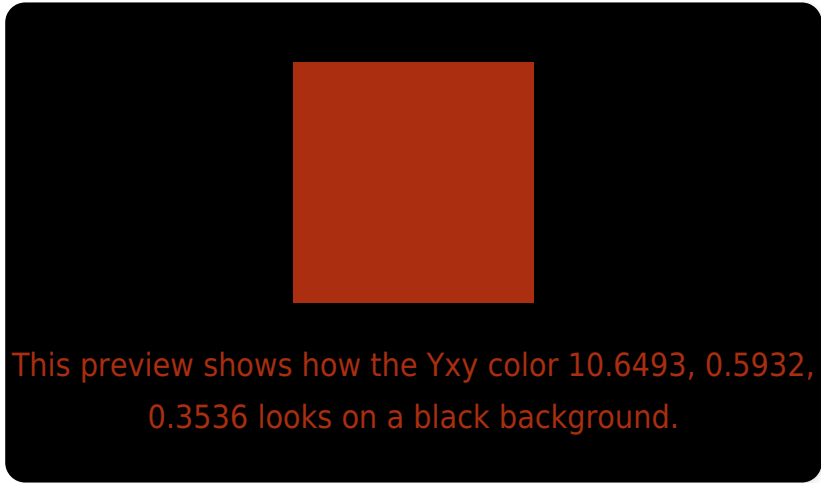
Large Text (above 18pt) WCAG AA ✓ Pass

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

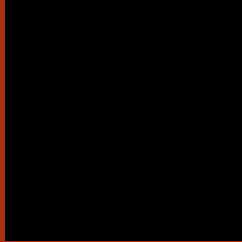
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6493, 0.5932, 0.3536

Background



This preview shows how black text looks on a background with the Yxy color 10.6493, 0.5932, 0.3536.



This preview shows how white text looks on a background with the Yxy color 10.6493, 0.5932, 0.3536.

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

10.6493, 0.5932, 0.3536

Protanopia

10.8509, 0.4218, 0.4660

Deuteranopia

10.7614, 0.4688, 0.4660



Tritanopia

10.6879, 0.5626, 0.3277

Trichromacy



Original Color

10.6493, 0.5932, 0.3536

Protanomaly

9.8199, 0.4942, 0.4169

Deuteranomaly

10.0966, 0.5244, 0.4159

Tritanomaly

10.6875, 0.5777, 0.3392

Monochromacy



Original Color

10.6493, 0.5932, 0.3536

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

7.9404, 0.4283, 0.3536

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6493, 0.5932, 0.3536 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(171, 46, 16)` looks like.

```
.text, #text, p{  
    color:rgb(171, 46, 16)  
}
```

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(171, 46, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 46, 16) }
```

Border

The CSS property to change the border of an element to Yxy 10.6493, 0.5932, 0.3536 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(171, 46, 16) }
```

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

```
.border{ border-color:rgb(171, 46, 16) }
```

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

Here you see how a box with a 4 pixel rgb(171, 46, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 46, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 46, 16);  
box-shadow:4px 4px 4px 4px rgb(171, 46,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6493, 0.5932, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 46, 16) }
```

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

```
.background{ background-color: rgb(171, 46,  
16) }
```

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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