

Converting Colors

$Y_{xy}(10.3944, 0.4382, 0.4629)$

Have a look what the booklet for
Yxy(10.3944, 0.4382, 0.4629)
contains.

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Color

Yxy(10.3247, 0.4385, 0.4633)

Conversions

Conversions Part 1

Format	Color
Hex	6B5915
RGB	107, 89, 21
RGB Percent	42%, 35%, 8%
CMY	0.5804, 0.6510, 0.9175
CMYK	0.00, 0.17, 0.80, 0.58
HSL	47°, 67%, 25%
HSV	47°, 80%, 42%
XYZ	9.7720, 10.3247, 2.1884
YIQ	86.6300, 32.5560, -17.3320

Conversions

Conversions Part 2

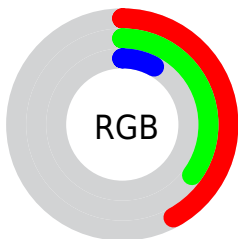
Format	Color
R_{YB}	44, 107, 21
Decimal	7035157
CIE Lab	38.42, -0.33, 39.45
CIE LCh	38, 39.450, 90.478
Yxy	10.3247, 0.4385, 0.4633
Android (android.graphics.Color)	4285225237 (0xFF6B5915)
YUV	86.6300, -32.3556, 17.8645
Hunter-Lab	32.1321, -1.9456, 18.4544

Details

The Yxy color **10.3247, 0.4385, 0.4633** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **2.6746, 0.1792, 0.1298**, and the grayscale version is **9.5137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4845, 0.4097, 0.4334**, and **2.6421, 0.4561, 0.4760** is the 20% darker color. If you saturate the color by 10%, you get **9.9262, 0.4497, 0.4694**, and if you desaturate by 10%, it is **10.7525, 0.4250, 0.4532**.

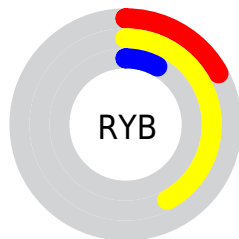
Distribution



Red (42%)

Green (35%)

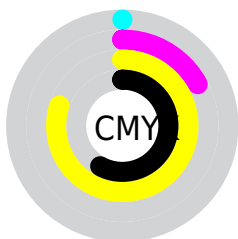
Blue (8%)



Red (17%)

Yellow (42%)

Blue (8%)

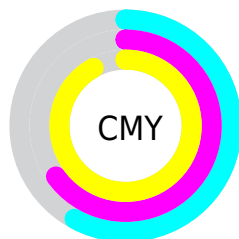


Cyan (0%)

Magenta (17%)

Yellow (80%)

Black (58%)



Cyan (58%)


Magenta (65%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3247, 0.4385, 0.4633 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 10.3247, 0.4385, 0.4633 by changing the saturation by 10% instead.


 10.3247, 0.4385,
0.4633


 10.3247, 0.4385,
0.4633


 192.9741, 0.3653,
0.3849


 5.6148, 0.4580,
0.4844

 26.4045, 0.4103,
0.4330


 2.6123, 0.4856,
0.5144

 38.5431, 0.4000,
0.4220

 0.9328, 0.4850,
0.5150

 53.9267, 0.3915,
0.4129

 0.0000, 0.0000,
0.0000

 72.9398, 0.3845,
0.4054

 95.9667, 0.3785,
0.3990


 123.3917, 0.3734,


0.3936


 155.5994, 0.3691,
0.3890


 10.3247, 0.4385,
0.4633


 10.3247, 0.4385,
0.4633


 9.9262, 0.4497,
0.4694


 10.7525, 0.4250,
0.4532

 9.5598, 0.4595,
0.4733

 11.2101, 0.4097,
0.4396

 11.6998, 0.3932,
0.4233

 12.2232, 0.3763,
0.4053

 12.7816, 0.3595,
0.3863

■ 13.3766, 0.3432,
0.3670

■ 14.0092, 0.3277,
0.3480

■ 14.6806, 0.3132,
0.3296

■ 15.3921, 0.2998,
0.3122

Harmonies

Analogous

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



10.3247, 0.4858, 0.4025



10.3247, 0.4385, 0.4633



10.3247, 0.3619, 0.4976

Triad

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



10.3247, 0.4385, 0.4633



10.3247, 0.1679, 0.2826



10.3247, 0.3294, 0.2300

Complementary

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



10.3247, 0.4385, 0.4633



2.6746, 0.1792, 0.1298

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.



10.3247, 0.2446, 0.2013



10.3247, 0.4385, 0.4633



10.3247, 0.1627, 0.2218

Square

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



10.3247, 0.4385, 0.4633



10.3247, 0.2066, 0.3777



10.3247, 0.1881, 0.1970



10.3247, 0.4218, 0.2784

Rectangle

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



10.3247, 0.4385, 0.4633



10.3247, 0.3050, 0.4868



10.3247, 0.1881, 0.1970



10.3247, 0.2987, 0.2180

Sweetspot

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



10.3252, 0.4385, 0.4633



23.4801, 0.3501, 0.3753



3.8144, 0.5208, 0.2961



5.6129, 0.3546, 0.3806



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



10.3252, 0.4385, 0.4633



17.2091, 0.4572, 0.4715



12.3942, 0.3728, 0.5174



3.4813, 0.3256, 0.3454



11.5846, 0.4600, 0.4730



57.7508, 0.4628, 0.4707

Inverse Universe

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



2.6746, 0.1792, 0.1298



3.0702, 0.1600, 0.0912



2.1657, 0.1981, 0.1067



3.1185, 0.2997, 0.3121



1.9683, 0.1575, 0.0869



8.9718, 0.1553, 0.0789

Previews

White Background



This preview shows how the Yxy color 10.3247, 0.4385, 0.4633 looks on a white background.

Color Contrast Check

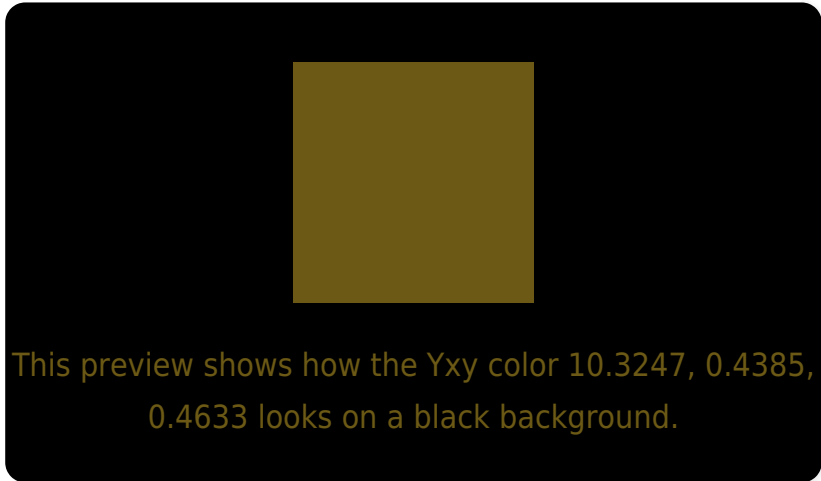
Large Text (above 18pt) WCAG AA ✓ Pass

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

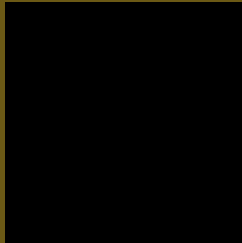
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3247, 0.4385, 0.4633

Background



This preview shows how black text looks on a background with the Yxy color 10.3247, 0.4385, 0.4633.



This preview shows how white text looks on a background with the Yxy color 10.3247, 0.4385, 0.4633.

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

10.3247, 0.4385, 0.4633

Protanopia

10.3649, 0.4258, 0.4712

Deuteranopia

10.2909, 0.4547, 0.4494



Tritanopia

10.3525, 0.3533, 0.3159

Trichromacy



Original Color

10.3247, 0.4385, 0.4633

Protanomaly

10.3133, 0.4309, 0.4673

Deuteranomaly

10.2538, 0.4479, 0.4544

Tritanomaly

10.1822, 0.3921, 0.3765

Monochromacy



Original Color

10.3247, 0.4385, 0.4633

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.7180, 0.3627, 0.3915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3247, 0.4385, 0.4633 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(107, 89, 21)` looks like.

```
.text, #text, p{  
    color:rgb(107, 89, 21)  
}
```

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(107, 89, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 89, 21) }
```

Border

The CSS property to change the border of an element to Yxy 10.3247, 0.4385, 0.4633 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(107, 89, 21) }
```

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

```
.border{ border-color:rgb(107, 89, 21) }
```

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

Here you see how a box with a 4 pixel rgb(107, 89, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 89, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 89, 21);  
box-shadow:4px 4px 4px 4px rgb(107, 89,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3247, 0.4385, 0.4633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 89, 21) }
```

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

```
.background{ background-color: rgb(107, 89,  
21) }
```

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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