

Converting Colors

$Y_{xy}(12.3406, 0.4317, 0.4795)$

Have a look what the booklet for
Yxy(12.3406, 0.4317, 0.4795)
contains.

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Color

Yxy(12.3406, 0.4317, 0.4795)

Conversions

Conversions Part 1

Format	Color
Hex	6F6310
RGB	111, 99, 16
RGB Percent	44%, 39%, 6%
CMY	0.5647, 0.6117, 0.9374
CMYK	0.00, 0.11, 0.86, 0.56
HSL	52°, 75%, 25%
HSV	52°, 86%, 44%
XYZ	11.1104, 12.3406, 2.2854
YIQ	93.1260, 33.7950, -23.2690

Conversions

Conversions Part 2

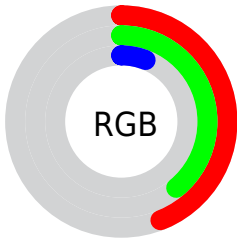
Format	Color
RYB	30, 111, 16
Decimal	7299856
CIELab	41.75, -4.46, 44.40
CIELCh	42, 44.627, 95.733
Yxy	12.3406, 0.4317, 0.4795
Android (android.graphics.Color)	4285489936 (0xFF6F6310)
YUV	93.1260, -38.0231, 15.6755
Hunter-Lab	35.1292, -5.0214, 20.7332

Details

The Yxy color **12.3406, 0.4317, 0.4795** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.0863, 0.1678, 0.1001**, and the grayscale version is **11.0616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0192, 0.4086, 0.4457**, and **3.5069, 0.4384, 0.4901** is the 20% darker color. If you saturate the color by 10%, you get **12.0514, 0.4390, 0.4849**, and if you desaturate by 10%, it is **12.6511, 0.4221, 0.4705**.

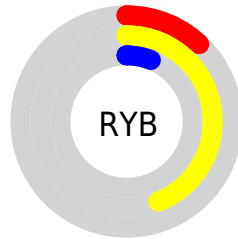
Distribution



Red (44%)

Green (39%)

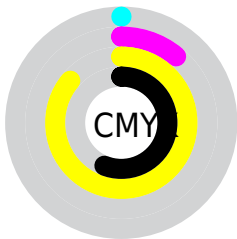
Blue (6%)



Red (12%)

Yellow (44%)

Blue (6%)

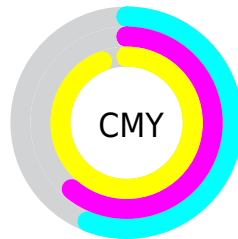


Cyan (0%)

Magenta (11%)

Yellow (86%)

Black (56%)



Cyan (56%)


Magenta (61%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3406, 0.4317, 0.4795 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 12.3406, 0.4317, 0.4795 by changing the saturation by 10% instead.

 12.3406, 0.4317,
0.4795


 12.3406, 0.4317,
0.4795


206.6473, 0.3659,
0.3931


 6.9761, 0.4464,
0.5016


 30.1139, 0.4078,
0.4467


 3.4471, 0.4665,
0.5335

 43.2915, 0.3986,
0.4345


 1.3694, 0.4589,
0.5411

 59.8423, 0.3908,
0.4245

 0.1940, 0.2803,
0.7197

 80.1506, 0.3842,
0.4161

 0.0000, 0.0000,
0.0000

 104.6009, 0.3786,
0.4090


 133.5775, 0.3738,


0.4029

 167.4648, 0.3696,
0.3977


 12.3406, 0.4317,
0.4795

 12.3406, 0.4317,
0.4795


 12.0514, 0.4390,
0.4849


 12.6511, 0.4221,
0.4705

 11.9267, 0.4422,
0.4871

 12.9850, 0.4103,
0.4578

 13.3450, 0.3967,
0.4417

 13.7328, 0.3819,
0.4232

 14.1500, 0.3664,
0.4031

■ 14.5981, 0.3507,
0.3821

■ 15.0782, 0.3354,
0.3610

■ 15.5918, 0.3206,
0.3403

■ 16.1399, 0.3067,
0.3204

Harmonies

Analogous

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



12.3406, 0.4898, 0.4164



12.3406, 0.4317, 0.4795



12.3406, 0.3476, 0.5096

Triad

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



12.3406, 0.4317, 0.4795



12.3406, 0.1569, 0.2645



12.3406, 0.3477, 0.2323

Complementary

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



12.3406, 0.4317, 0.4795



2.0863, 0.1678, 0.1001

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.



12.3406, 0.2541, 0.1983



12.3406, 0.4317, 0.4795



12.3406, 0.1574, 0.2084

Square

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



12.3406, 0.4317, 0.4795



12.3406, 0.1904, 0.3612



12.3406, 0.1894, 0.1889



12.3406, 0.4438, 0.2854

Rectangle

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



12.3406, 0.4317, 0.4795



12.3406, 0.2876, 0.4896



12.3406, 0.1894, 0.1889



12.3406, 0.3143, 0.2185

Sweetspot

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



12.3412, 0.4317, 0.4795



26.0514, 0.3524, 0.3844



3.8360, 0.5653, 0.3117



6.2068, 0.3566, 0.3900



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.3412, 0.4317, 0.4795



21.2324, 0.4429, 0.4865



12.9482, 0.3617, 0.5341



3.8480, 0.3256, 0.3472



14.0297, 0.4424, 0.4869



69.0194, 0.4439, 0.4857

Inverse Universe

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



2.0863, 0.1678, 0.1001



2.4989, 0.1532, 0.0714



2.2164, 0.2017, 0.1014



3.3621, 0.2996, 0.3101



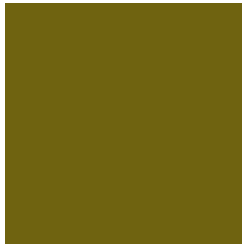
1.6976, 0.1537, 0.0734



7.7282, 0.1522, 0.0678

Previews

White Background



This preview shows how the Yxy color 12.3406, 0.4317, 0.4795 looks on a white background.

Color Contrast Check

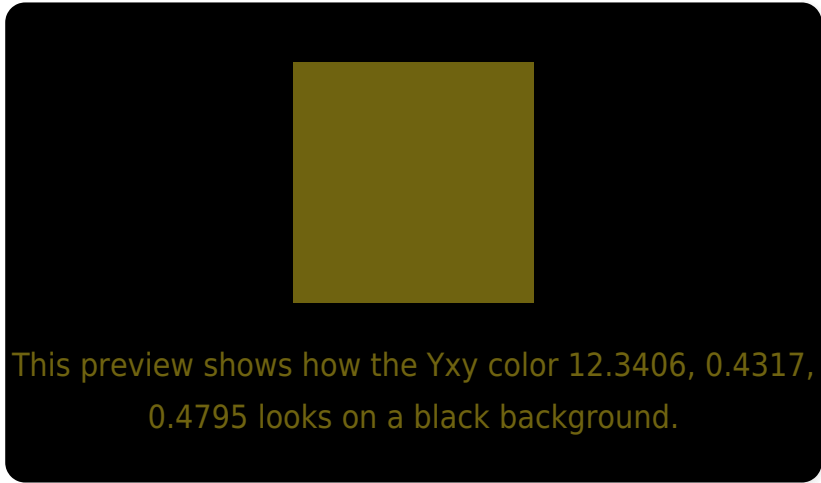
Large Text (above 18pt) WCAG AA ✓ Pass

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

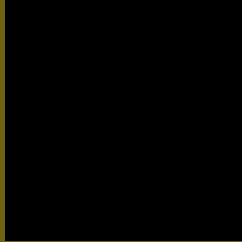
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3406, 0.4317, 0.4795

Background



This preview shows how black text looks on a background with the Yxy color 12.3406, 0.4317, 0.4795.



This preview shows how white text looks on a background with the Yxy color 12.3406, 0.4317, 0.4795.

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

12.3406, 0.4317, 0.4795

Protanopia

12.3406, 0.4317, 0.4795

Deuteranopia

12.3410, 0.4579, 0.4542



Tritanopia

12.3371, 0.3420, 0.3145

Trichromacy



Original Color

12.3406, 0.4317, 0.4795

Protanomaly

12.3406, 0.4317, 0.4795

Deuteranomaly

12.3347, 0.4475, 0.4635

Tritanomaly

12.2589, 0.3842, 0.3849

Monochromacy



Original Color

12.3406, 0.4317, 0.4795

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.2754, 0.3652, 0.3997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3406, 0.4317, 0.4795 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(111, 99, 16)` looks like.

```
.text, #text, p{  
    color:rgb(111, 99, 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(111, 99, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 99, 16) }
```

Border

The CSS property to change the border of an element to Yxy 12.3406, 0.4317, 0.4795 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(111, 99, 16) }
```

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

```
.border{ border-color:rgb(111, 99, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 99, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 99, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 99, 16);  
box-shadow:4px 4px 4px 4px rgb(111, 99,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3406, 0.4317, 0.4795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 99, 16) }
```

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

```
.background{ background-color: rgb(111, 99,  
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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