

Converting Colors

$Y_{xy}(12.2404, 0.4083, 0.4704)$

Have a look what the booklet for
Yxy(12.2404, 0.4083, 0.4704)
contains.

| | |
|---|----|
| Yxy(12.2219, 0.4089, 0.4695) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(12.2219, 0.4089, 0.4695)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 696420 |
| RGB | 105, 100, 32 |
| RGB Percent | 41%, 39%, 13% |
| CMY | 0.5882, 0.6078, 0.8745 |
| CMYK | 0.00, 0.05, 0.70, 0.59 |
| HSL | 56°, 53%, 27% |
| HSV | 56°, 70%, 41% |
| XYZ | 10.6444, 12.2219, 3.1655 |
| YIQ | 93.7430, 24.8080, -20.0880 |

Conversions

Conversions Part 2

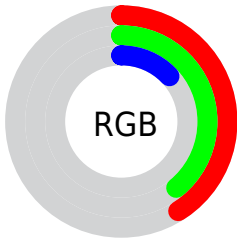
| Format | Color |
|-------------------------------------|------------------------------|
| RYB | 37, 105, 32 |
| Decimal | 6906912 |
| CIELab | 41.57, -7.12, 37.76 |
| CIELCh | 42, 38.422, 100.686 |
| Yxy | 12.2219, 0.4089, 0.4695 |
| Android (android.graphics.Color) | 4285096992 (0xFF696420) |
| YUV | 93.7430, -30.4393, 9.8724 |
| Hunter-Lab | 34.9598, -6.8310, 19.1034 |

Details

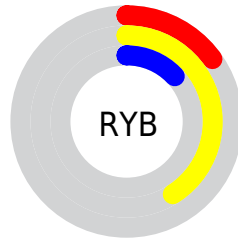
The Yxy color **12.2219, 0.4089, 0.4695** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **2.6519, 0.1891, 0.1317**, and the grayscale version is **11.1992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9815, 0.3881, 0.4372**, and **3.4791, 0.4248, 0.5009** is the 20% darker color. If you saturate the color by 10%, you get **12.0366, 0.4182, 0.4815**, and if you desaturate by 10%, it is **12.4278, 0.3975, 0.4540**.

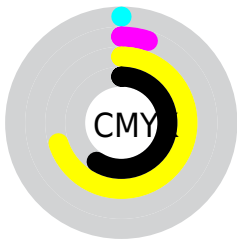
Distribution



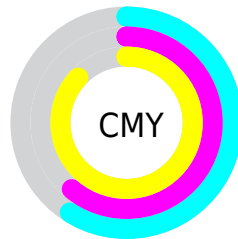
- Red (41%)
- Green (39%)
- Blue (13%)



- Red (15%)
- Yellow (41%)
- Blue (13%)



- Cyan (0%)
- Magenta (5%)
- Yellow (70%)
- Black (59%)





- Cyan (59%)
- Magenta (61%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2219, 0.4089, 0.4695 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 12.2219, 0.4089, 0.4695 by changing the saturation by 10% instead.


 12.2219, 0.4089,
0.4695


 12.2219, 0.4089,
0.4695


 205.8688, 0.3546,
0.3859


 6.8950, 0.4219,
0.4936


 29.8986, 0.3885,
0.4360


 3.3965, 0.4537,
0.5463

 43.0172, 0.3809,
0.4243


 1.3421, 0.4412,
0.5588

 59.5018, 0.3745,
0.4148

 0.1734, 0.0000,
1.0000

 79.7368, 0.3692,
0.4069

 0.0000, 0.0000,
0.0000

 104.1066, 0.3647,
0.4004

 132.9956, 0.3609,

0.3948

166.7882, 0.3575,
0.3900

12.2219, 0.4089,
0.4695

12.2219, 0.4089,
0.4695

12.0366, 0.4182,
0.4815

12.4278, 0.3975,
0.4540

11.8684, 0.4252,
0.4896

12.6541, 0.3845,
0.4357

11.7102, 0.4309,
0.4956

12.9028, 0.3703,
0.4153

11.7025, 0.4312,
0.4958

13.1753, 0.3555,
0.3936

13.4726, 0.3407,
0.3714

■ 13.7959, 0.3261,
0.3494

■ 14.1461, 0.3120,
0.3280

■ 14.5243, 0.2988,
0.3076

■ 14.9314, 0.2864,
0.2884

Harmonies

Analogous

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



12.2219, 0.4634, 0.4197



12.2219, 0.4089, 0.4695



12.2219, 0.3329, 0.4820

Triad

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



12.2219, 0.4089, 0.4695



12.2219, 0.1723, 0.2637



12.2219, 0.3583, 0.2504

Complementary

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



12.2219, 0.4089, 0.4695



2.6519, 0.1891, 0.1317

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.



12.2219, 0.2742, 0.2162



12.2219, 0.4089, 0.4695



12.2219, 0.1771, 0.2182

Square

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



12.2219, 0.4089, 0.4695



12.2219, 0.1984, 0.3425



12.2219, 0.2112, 0.2041



12.2219, 0.4373, 0.3008

Rectangle

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



12.2219, 0.4089, 0.4695



12.2219, 0.2803, 0.4556



12.2219, 0.2112, 0.2041



12.2219, 0.3291, 0.2368

Sweetspot

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



12.2225, 0.4089, 0.4695



24.0057, 0.3438, 0.3761



4.1781, 0.5084, 0.3173



5.5988, 0.3467, 0.3804



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.2225, 0.4089, 0.4695



21.3694, 0.4226, 0.4867



11.6885, 0.3548, 0.5068



3.5498, 0.3253, 0.3482



14.7943, 0.4313, 0.4957



74.8679, 0.4321, 0.4951

Inverse Universe

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



2.6519, 0.1891, 0.1317



3.0063, 0.1661, 0.0921



3.0919, 0.2323, 0.1414



3.0555, 0.2997, 0.3090



1.4661, 0.1520, 0.0672



6.9748, 0.1509, 0.0632

Previews

White Background



This preview shows how the Yxy color 12.2219, 0.4089, 0.4695 looks on a white background.

Color Contrast Check

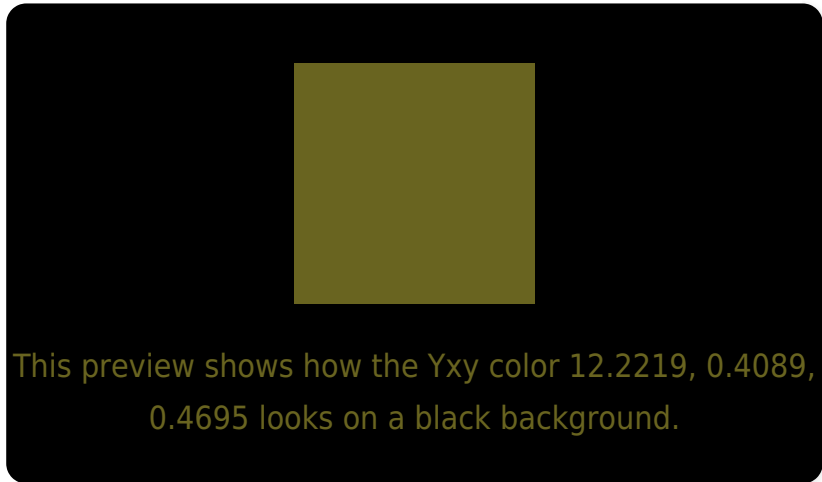
Large Text (above 18pt) WCAG AA ✓ Pass

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

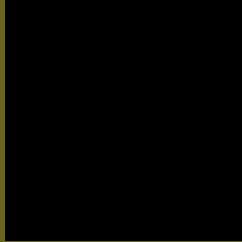
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2219, 0.4089, 0.4695

Background



This preview shows how black text looks on a background with the Yxy color 12.2219, 0.4089, 0.4695.



This preview shows how white text looks on a background with the Yxy color 12.2219, 0.4089, 0.4695.

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

12.2219, 0.4089, 0.4695

Protanopia

12.1546, 0.4198, 0.4614

Deuteranopia

12.1551, 0.4461, 0.4383



Tritanopia

12.1478, 0.3291, 0.3119

Trichromacy



Original Color

12.2219, 0.4089, 0.4695

Protanomaly

12.2161, 0.4151, 0.4650

Deuteranomaly

12.1886, 0.4314, 0.4510

Tritanomaly

12.1388, 0.3630, 0.3736

Monochromacy



Original Color

12.2219, 0.4089, 0.4695

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.4173, 0.3524, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2219, 0.4089, 0.4695 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(105, 100, 32)` looks like.

```
.text, #text, p{  
    color:rgb(105, 100, 32)  
}
```

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(105, 100, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 100, 32) }
```

Border

The CSS property to change the border of an element to Yxy 12.2219, 0.4089, 0.4695 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(105, 100, 32) }
```

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

```
.border{ border-color:rgb(105, 100, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 100, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 100, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 100, 32);  
box-shadow:4px 4px 4px 4px rgb(105, 100,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2219, 0.4089, 0.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 100, 32) }
```

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

```
.background{ background-color: rgb(105,  
100, 32) }
```

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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