

Converting Colors

$Y_{xy}(20.8628, 0.4697, 0.4348)$

Have a look what the booklet for
Yxy(20.8628, 0.4697, 0.4348)
contains.

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Color

Yxy(20.8398, 0.4696, 0.4347)

Conversions

Conversions Part 1

Format	Color
Hex	A77425
RGB	167, 116, 37
RGB Percent	65%, 45%, 15%
CMY	0.3452, 0.5450, 0.8548
CMYK	0.00, 0.31, 0.78, 0.35
HSL	36°, 64%, 40%
HSV	36°, 78%, 65%
XYZ	22.5129, 20.8398, 4.5879
YIQ	122.2430, 55.7550, -13.7570

Conversions

Conversions Part 2

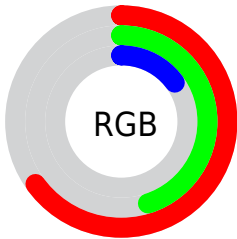
Format	Color
R_{YB}	121, 167, 37
Decimal	10974245
CIE _{Lab}	52.77, 12.92, 48.98
CIE _{LCh}	53, 50.656, 75.218
Yxy	20.8398, 0.4696, 0.4347
Android (android.graphics.Color)	4289164325 (0xFFA77425)
YUV	122.2430, -42.0248, 39.2519
Hunter-Lab	45.6506, 8.1399, 25.9968

Details

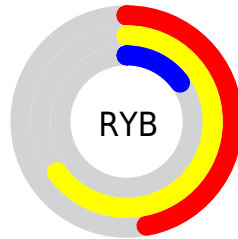
The Yxy color **20.8398, 0.4696, 0.4347** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.1610, 0.1893, 0.1713**, and the grayscale version is **19.6734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8786, 0.4387, 0.4178**, and **7.4492, 0.5017, 0.4398** is the 20% darker color. If you saturate the color by 10%, you get **19.3016, 0.4888, 0.4372**, and if you desaturate by 10%, it is **22.5345, 0.4481, 0.4275**.

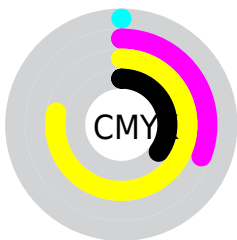
Distribution



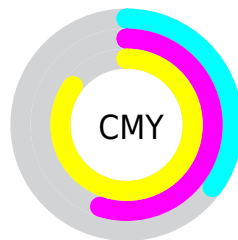
- Red (65%)
- Green (45%)
- Blue (15%)



- Red (47%)
- Yellow (65%)
- Blue (15%)



- Cyan (0%)
- Magenta (31%)
- Yellow (78%)
- Black (35%)





- Cyan (35%)
- Magenta (55%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8398, 0.4696, 0.4347 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 20.8398, 0.4696, 0.4347 by changing the saturation by 10% instead.


 20.8398, 0.4696,
0.4347

 20.8398, 0.4696,
0.4347


256.4259, 0.3855,
0.3834

 13.0070, 0.4896,
0.4437


 44.8208, 0.4389,
0.4180

 7.4333, 0.5149,
0.4530


 61.7377, 0.4273,
0.4110


 3.7346, 0.5431,
0.4569

 82.4514, 0.4174,
0.4048

 1.5262, 0.5613,
0.4387

 107.3463, 0.4091,
0.3994

 0.3071, 0.6642,
0.3358

 136.8068, 0.4019,
0.3946

 0.0000, 0.0000,
0.0000

 171.2173, 0.3957,

0.3905

210.9622, 0.3903,
0.3867

■ 20.8398, 0.4696,
0.4347

■ 20.8398, 0.4696,
0.4347

■ 19.3016, 0.4888,
0.4372

■ 22.5345, 0.4481,
0.4275

■ 17.9050, 0.5052,
0.4350

■ 24.3905, 0.4254,
0.4165

■ 17.6167, 0.5087,
0.4343

■ 26.4159, 0.4028,
0.4028

■ 28.6171, 0.3809,
0.3876

■ 31.0000, 0.3605,
0.3717

■ 33.5701, 0.3417,
0.3559

■ 36.3328, 0.3247,
0.3405

■ 39.2931, 0.3096,
0.3259

■ 42.4556, 0.2961,
0.3122

Harmonies

Analogous

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



20.8398, 0.4941, 0.3697



20.8398, 0.4696, 0.4347



20.8398, 0.4041, 0.4880

Triad

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



20.8398, 0.4696, 0.4347



20.8398, 0.1814, 0.3277



20.8398, 0.2829, 0.2111

Complementary

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



20.8398, 0.4696, 0.4347



10.1610, 0.1893, 0.1713

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.



20.8398, 0.2105, 0.1941



20.8398, 0.4696, 0.4347



20.8398, 0.1595, 0.2465

Square

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



20.8398, 0.4696, 0.4347



20.8398, 0.2380, 0.4305



20.8398, 0.1696, 0.2039



20.8398, 0.3770, 0.2507

Rectangle

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



20.8398, 0.4696, 0.4347



20.8398, 0.3487, 0.5008



20.8398, 0.1696, 0.2039



20.8398, 0.2554, 0.2027

Sweetspot

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



20.8408, 0.4696, 0.4347



57.5224, 0.3520, 0.3647



10.2593, 0.4703, 0.2623



12.5187, 0.3587, 0.3703



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.8408, 0.4696, 0.4347



32.8376, 0.5002, 0.4360



34.6325, 0.3976, 0.5012



8.2724, 0.3271, 0.3427



13.5813, 0.5076, 0.4352



0.4257, 0.4717, 0.4637

Inverse Universe

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



10.1610, 0.1893, 0.1713



13.1459, 0.1723, 0.1355



4.7925, 0.1764, 0.0944



7.7652, 0.2986, 0.3149



5.1615, 0.1686, 0.1271



0.2256, 0.1876, 0.1953

Previews

White Background



This preview shows how the Yxy color 20.8398, 0.4696, 0.4347 looks on a white 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

Black Background



This preview shows how the Yxy color 20.8398, 0.4696, 0.4347 looks on a black 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

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

Yxy 20.8398, 0.4696, 0.4347

Background



This preview shows how black text looks on a background with the Yxy color 20.8398, 0.4696, 0.4347.



This preview shows how white text looks on a background with the Yxy color 20.8398, 0.4696, 0.4347.

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

20.8398, 0.4696, 0.4347

Protanopia

21.0827, 0.4224, 0.4656

Deuteranopia

20.9252, 0.4560, 0.4476



Tritanopia

20.7801, 0.3885, 0.3155

Trichromacy



Original Color

20.8398, 0.4696, 0.4347

Protanomaly

20.8917, 0.4395, 0.4543

Deuteranomaly

21.0024, 0.4603, 0.4432

Tritanomaly

20.6195, 0.4245, 0.3644

Monochromacy



Original Color

20.8398, 0.4696, 0.4347

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5915, 0.3717, 0.3815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8398, 0.4696, 0.4347 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(167, 116, 37)` looks like.

```
.text, #text, p{  
    color:rgb(167, 116, 37)  
}
```

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(167, 116, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 116, 37) }
```

Border

The CSS property to change the border of an element to Yxy 20.8398, 0.4696, 0.4347 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(167, 116, 37) }
```

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

```
.border{ border-color:rgb(167, 116, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 116, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 116, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 116, 37);  
box-shadow:4px 4px 4px 4px rgb(167, 116,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8398, 0.4696, 0.4347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 116, 37) }
```

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

```
.background{ background-color: rgb(167,  
116, 37) }
```

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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