

Converting Colors

$Y_{xy}(22.7182, 0.4379, 0.4374)$

Have a look what the booklet for
Yxy(22.7182, 0.4379, 0.4374)
contains.

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Color

Yxy(22.7467, 0.4384, 0.4377)

Conversions

Conversions Part 1

Format	Color
Hex	A17E34
RGB	161, 126, 52
RGB Percent	63%, 49%, 20%
CMY	0.3685, 0.5059, 0.7961
CMYK	0.00, 0.22, 0.68, 0.37
HSL	41°, 51%, 42%
HSV	41°, 68%, 63%
XYZ	22.7831, 22.7467, 6.4389
YIQ	128.0290, 44.6140, -15.5940

Conversions

Conversions Part 2

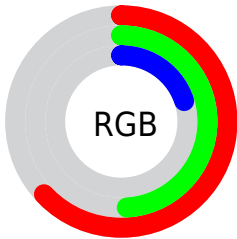
Format	Color
RYB	104, 161, 52
Decimal	10583604
CIELab	54.81, 5.38, 44.17
CIELCh	55, 44.493, 83.058
Yxy	22.7467, 0.4384, 0.4377
Android (android.graphics.Color)	4288773684 (0xFFA17E34)
YUV	128.0290, -37.4823, 28.9156
Hunter-Lab	47.6935, 1.8054, 25.3809

Details

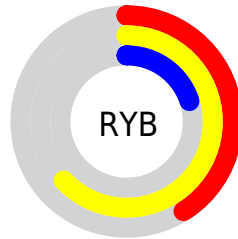
The Yxy color **22.7467, 0.4384, 0.4377** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.1276, 0.1994, 0.1793**, and the grayscale version is **21.7193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8602, 0.4144, 0.4173**, and **8.3719, 0.4742, 0.4617** is the 20% darker color. If you saturate the color by 10%, you get **21.3373, 0.4568, 0.4464**, and if you desaturate by 10%, it is **24.2763, 0.4185, 0.4253**.

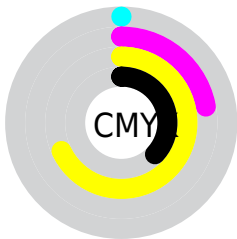
Distribution



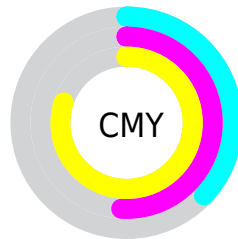
- Red (63%)
- Green (49%)
- Blue (20%)



- Red (41%)
- Yellow (63%)
- Blue (20%)



- Cyan (0%)
- Magenta (22%)
- Yellow (68%)
- Black (37%)



- Cyan (37%)
- Magenta (51%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7467, 0.4384, 0.4377 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 22.7467, 0.4384, 0.4377 by changing the saturation by 10% instead.


 22.7467, 0.4384,
0.4377


 22.7467, 0.4384,
0.4377


266.4213, 0.3713,
0.3817


 14.4066, 0.4548,
0.4502


 47.9771, 0.4138,
0.4179


 8.4040, 0.4744,
0.4640


 65.6361, 0.4045,
0.4102


 4.3545, 0.5099,
0.4901


 87.1703, 0.3967,
0.4036

 1.8738, 0.5171,
0.4829

 112.9639, 0.3901,
0.3979

 0.5325, 0.5448,
0.4552

 143.4014, 0.3844,
0.3931

 0.0000, 0.0000,
0.0000

 178.8673, 0.3794,

0.3888

219.7457, 0.3751,
0.3850

■ 22.7467, 0.4384,
0.4377

■ 22.7467, 0.4384,
0.4377

■ 21.3373, 0.4568,
0.4464

■ 24.2763, 0.4185,
0.4253

■ 20.0384, 0.4728,
0.4505

■ 25.9284, 0.3982,
0.4102

■ 18.8412, 0.4861,
0.4501

■ 27.7089, 0.3781,
0.3935

■ 18.5771, 0.4892,
0.4498

■ 29.6226, 0.3589,
0.3761

■ 31.6736, 0.3409,
0.3586

■ 33.8661, 0.3244,
0.3416

■ 36.2038, 0.3094,
0.3254

■ 38.6905, 0.2959,
0.3101

■ 41.3294, 0.2838,
0.2960

Harmonies

Analogous

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



22.7467, 0.4684, 0.3831



22.7467, 0.4384, 0.4377



22.7467, 0.3765, 0.4725

Triad

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



22.7467, 0.4384, 0.4377



22.7467, 0.1903, 0.3085



22.7467, 0.3080, 0.2328

Complementary

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



22.7467, 0.4384, 0.4377



10.1276, 0.1994, 0.1793

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.



22.7467, 0.2381, 0.2121



22.7467, 0.4384, 0.4377



22.7467, 0.1775, 0.2459

Square

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



22.7467, 0.4384, 0.4377



22.7467, 0.2336, 0.3928



22.7467, 0.1938, 0.2150



22.7467, 0.3890, 0.2729

Rectangle

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



22.7467, 0.4384, 0.4377



22.7467, 0.3267, 0.4708



22.7467, 0.1938, 0.2150



22.7467, 0.2824, 0.2235

Sweetspot

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



22.7478, 0.4384, 0.4377



55.6971, 0.3456, 0.3632



10.7469, 0.4552, 0.2762



12.0020, 0.3502, 0.3678



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



22.7478, 0.4384, 0.4377



37.0542, 0.4649, 0.4489



31.5748, 0.3838, 0.4911



7.8516, 0.3269, 0.3442



14.9071, 0.4884, 0.4504



0.3929, 0.4582, 0.4744

Inverse Universe

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



10.1276, 0.1994, 0.1793



13.0879, 0.1792, 0.1430



6.3393, 0.2002, 0.1244



7.2143, 0.2987, 0.3133



4.0651, 0.1634, 0.1081



0.1677, 0.1836, 0.1809

Previews

White Background



This preview shows how the Yxy color 22.7467, 0.4384, 0.4377 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 22.7467, 0.4384, 0.4377 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 22.7467, 0.4384, 0.4377

Background



This preview shows how black text looks on a background with the Yxy color 22.7467, 0.4384, 0.4377.



This preview shows how white text looks on a background with the Yxy color 22.7467, 0.4384, 0.4377.

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

22.7467, 0.4384, 0.4377

Protanopia

22.8799, 0.4116, 0.4534

Deuteranopia

22.7017, 0.4419, 0.4351



Tritanopia

22.7047, 0.3644, 0.3152

Trichromacy



Original Color

22.7467, 0.4384, 0.4377

Protanomaly

22.8016, 0.4208, 0.4486

Deuteranomaly

22.5965, 0.4407, 0.4358

Tritanomaly

22.5942, 0.3953, 0.3623

Monochromacy



Original Color

22.7467, 0.4384, 0.4377

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.6743, 0.3599, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7467, 0.4384, 0.4377 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(161, 126, 52)` looks like.

```
.text, #text, p{  
    color:rgb(161, 126, 52)  
}
```

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(161, 126, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 126, 52) }
```

Border

The CSS property to change the border of an element to Yxy 22.7467, 0.4384, 0.4377 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(161, 126, 52) }
```

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

```
.border{ border-color:rgb(161, 126, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 126, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 126, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 126, 52);  
box-shadow:4px 4px 4px 4px rgb(161, 126,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7467, 0.4384, 0.4377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 126, 52) }
```

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

```
.background{ background-color: rgb(161,  
126, 52) }
```

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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