

Converting Colors

$Y_{xy}(20.7675, 0.4278, 0.3996)$

Have a look what the booklet for
Yxy(20.7675, 0.4278, 0.3996)
contains.

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Color

Yxy(20.7675, 0.4278, 0.3996)

Conversions

Conversions Part 1

Format	Color
Hex	A17548
RGB	161, 117, 72
RGB Percent	63%, 46%, 28%
CMY	0.3685, 0.5412, 0.7176
CMYK	0.00, 0.27, 0.55, 0.37
HSL	30°, 38%, 46%
HSV	30°, 55%, 63%
XYZ	22.2331, 20.7675, 8.9701
YIQ	125.0260, 40.6690, -4.6670

Conversions

Conversions Part 2

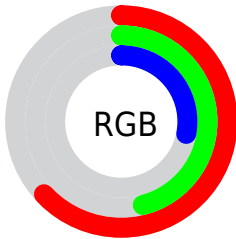
Format	Color
R_{YB}	159, 161, 72
Decimal	10581320
CIE _{Lab}	52.69, 11.98, 31.41
CIE _{LCh}	53, 33.620, 69.124
Yxy	20.7675, 0.4278, 0.3996
Android (android.graphics.Color)	4288771400 (0xFFA17548)
YUV	125.0260, -26.1418, 31.5492
Hunter-Lab	45.5714, 7.3356, 20.2295

Details

The Yxy color **20.7675, 0.4278, 0.3996** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.4545, 0.2262, 0.2423**, and the grayscale version is **20.5982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6618, 0.4032, 0.3868**, and **7.3950, 0.4686, 0.4196** is the 20% darker color. If you saturate the color by 10%, you get **18.8072, 0.4545, 0.4093**, and if you desaturate by 10%, it is **22.9428, 0.4022, 0.3877**.

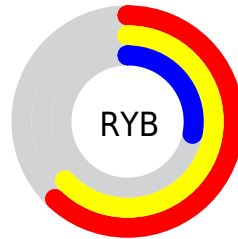
Distribution



Red (63%)

Green (46%)

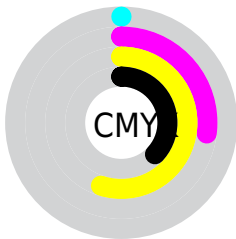
Blue (28%)



Red (62%)

Yellow (63%)

Blue (28%)

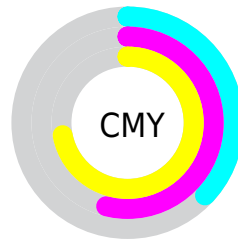


Cyan (0%)

Magenta (27%)

Yellow (55%)

Black (37%)



Cyan (37%)


Magenta (54%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7675, 0.4278, 0.3996 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 20.7675, 0.4278, 0.3996 by changing the saturation by 10% instead.


 20.7675, 0.4278,
0.3996


 20.7675, 0.4278,
0.3996


256.0403, 0.3632,
0.3628

 12.9542, 0.4459,
0.4083


 44.7003, 0.4027,
0.3863


 7.3970, 0.4698,
0.4185


 61.5885, 0.3938,
0.3812

 3.7116, 0.5054,
0.4318

 82.2704, 0.3864,
0.3769

 1.5136, 0.5564,
0.4436

 107.1306, 0.3803,
0.3732

 0.2983, 0.6588,
0.3412

 136.5532, 0.3750,
0.3701

 0.0000, 0.0000,
0.0000

170.9228, 0.3705,

0.3673

210.6237, 0.3667,
0.3649

■ 20.7675, 0.4278,
0.3996

■ 20.7675, 0.4278,
0.3996

■ 18.8072, 0.4545,
0.4093

■ 22.9428, 0.4022,
0.3877

■ 17.0507, 0.4811,
0.4155

■ 25.3379, 0.3784,
0.3747

■ 15.4897, 0.5061,
0.4172

■ 27.9609, 0.3569,
0.3613

■ 14.1136, 0.5278,
0.4138

■ 30.8187, 0.3377,
0.3481

■ 13.5190, 0.5377,
0.4113

■ 33.9177, 0.3208,
0.3354

■ 37.2641, 0.3060,
0.3235

■ 40.8639, 0.2930,
0.3124

■ 44.7228, 0.2817,
0.3022

■ 48.8462, 0.2718,
0.2928

Harmonies

Analogous

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



20.7675, 0.4332, 0.3538



20.7675, 0.4278, 0.3996



20.7675, 0.3903, 0.4337

Triad

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



20.7675, 0.4278, 0.3996



20.7675, 0.2288, 0.3439



20.7675, 0.2820, 0.2411

Complementary

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



20.7675, 0.4278, 0.3996



16.4545, 0.2262, 0.2423

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.



20.7675, 0.2339, 0.2332



20.7675, 0.4278, 0.3996



20.7675, 0.2056, 0.2852

Square

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



20.7675, 0.4278, 0.3996



20.7675, 0.2749, 0.4049



20.7675, 0.2076, 0.2472



20.7675, 0.3439, 0.2674

Rectangle

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



20.7675, 0.4278, 0.3996



20.7675, 0.3539, 0.4416



20.7675, 0.2076, 0.2472



20.7675, 0.2638, 0.2362

Sweetspot

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



20.7685, 0.4278, 0.3996



54.0951, 0.3414, 0.3507



13.4896, 0.3892, 0.2598



11.6526, 0.3449, 0.3532



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.



20.7685, 0.4278, 0.3996



33.0252, 0.4598, 0.4108



33.5462, 0.3906, 0.4579



7.6498, 0.3273, 0.3404



10.8754, 0.5364, 0.4123



0.3230, 0.4841, 0.4538

Inverse Universe

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



16.4545, 0.2262, 0.2423



24.5229, 0.2094, 0.2193



8.5893, 0.2085, 0.1567



7.4116, 0.2987, 0.3174



6.6776, 0.1776, 0.1592



0.2349, 0.1961, 0.2260

Previews

White Background



This preview shows how the Yxy color 20.7675, 0.4278, 0.3996 looks on a white background.

Color Contrast Check

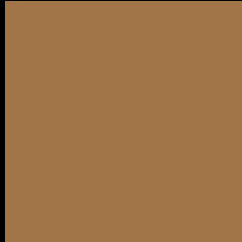
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7675, 0.4278, 0.3996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

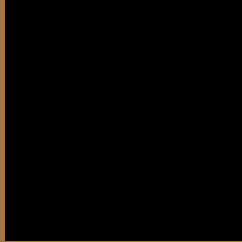
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7675, 0.4278, 0.3996

Background



This preview shows how black text looks on a background with the Yxy color 20.7675, 0.4278, 0.3996.



This preview shows how white text looks on a background with the Yxy color 20.7675, 0.4278, 0.3996.

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

20.7675, 0.4278, 0.3996

Protanopia

20.8330, 0.3865, 0.4191

Deuteranopia

20.7579, 0.4170, 0.4087



Tritanopia

20.7243, 0.3738, 0.3150

Trichromacy



Original Color

20.7675, 0.4278, 0.3996

Protanomaly

20.7713, 0.4005, 0.4124

Deuteranomaly

20.8167, 0.4219, 0.4058

Tritanomaly

20.6820, 0.3949, 0.3451

Monochromacy



Original Color

20.7675, 0.4278, 0.3996

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.3629, 0.3521, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7675, 0.4278, 0.3996 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, 117, 72)` looks like.

```
.text, #text, p{  
    color:rgb(161, 117, 72)  
}
```

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, 117, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 117, 72) }
```

Border

The CSS property to change the border of an element to Yxy 20.7675, 0.4278, 0.3996 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, 117, 72) }
```

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

```
.border{ border-color:rgb(161, 117, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 117, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 117, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 117, 72);  
box-shadow:4px 4px 4px 4px rgb(161, 117,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7675, 0.4278, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 117, 72) }
```

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

```
.background{ background-color: rgb(161,  
117, 72) }
```

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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