

Converting Colors

$Y_{xy}(20.2028, 0.4414, 0.4039)$

Have a look what the booklet for
Yxy(20.2028, 0.4414, 0.4039)
contains.

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Color

Yxy(20.2028, 0.4414, 0.4039)

Conversions

Conversions Part 1

Format	Color
Hex	A37241
RGB	163, 114, 65
RGB Percent	64%, 45%, 25%
CMY	0.3607, 0.5530, 0.7451
CMYK	0.00, 0.30, 0.60, 0.36
HSL	30°, 43%, 45%
HSV	30°, 60%, 64%
XYZ	22.0785, 20.2028, 7.7380
YIQ	123.0650, 44.9330, -4.8510

Conversions

Conversions Part 2

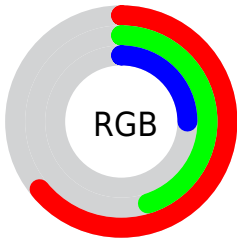
Format	Color
R_{YB}	163, 163, 65
Decimal	10711617
CIE _{Lab}	52.07, 13.97, 34.51
CIE _{LCh}	52, 37.234, 67.958
Yxy	20.2028, 0.4414, 0.4039
Android (android.graphics.Color)	4288901697 (0xFFA37241)
YUV	123.0650, -28.6260, 35.0230
Hunter-Lab	44.9475, 9.0222, 21.2561

Details

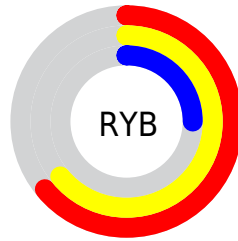
The Yxy color **20.2028, 0.4414, 0.4039** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.8104, 0.2193, 0.2340**, and the grayscale version is **19.9159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8595, 0.4140, 0.3906**, and **7.1316, 0.4870, 0.4210** is the 20% darker color. If you saturate the color by 10%, you get **18.2832, 0.4685, 0.4119**, and if you desaturate by 10%, it is **22.3429, 0.4149, 0.3931**.

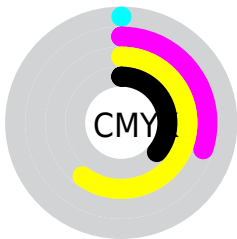
Distribution



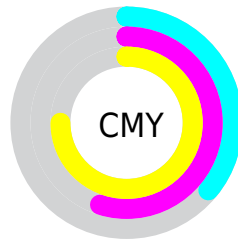
- Red (64%)
- Green (45%)
- Blue (25%)



- Red (64%)
- Yellow (64%)
- Blue (25%)



- Cyan (0%)
- Magenta (30%)
- Yellow (60%)
- Black (36%)



- Cyan (36%)
- Magenta (55%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2028, 0.4414, 0.4039 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 20.2028, 0.4414, 0.4039 by changing the saturation by 10% instead.


 20.2028, 0.4414,
0.4039


 20.2028, 0.4414,
0.4039


253.0109, 0.3693,
0.3656


 12.5425, 0.4613,
0.4124


 43.7569, 0.4135,
0.3904

 7.1143, 0.4873,
0.4215


 60.4196, 0.4035,
0.3851

 3.5337, 0.5317,
0.4377

 80.8519, 0.3953,
0.3806

 1.4163, 0.5688,
0.4312

 105.4381, 0.3884,
0.3767

 0.2287, 0.7095,
0.2905

 134.5627, 0.3825,
0.3734

 0.0000, 0.0000,
0.0000

 168.6102, 0.3775,

0.3704

207.9647, 0.3731,
0.3678

■ 20.2028, 0.4414,
0.4039

■ 20.2028, 0.4414,
0.4039

■ 18.2832, 0.4685,
0.4119

■ 22.3429, 0.4149,
0.3931

■ 16.5720, 0.4948,
0.4160

■ 24.7089, 0.3900,
0.3806

■ 15.0602, 0.5186,
0.4150

■ 27.3096, 0.3672,
0.3674

■ 13.7448, 0.5394,
0.4099

■ 30.1524, 0.3468,
0.3542

■ 33.2441, 0.3287,
0.3413

■ 36.5915, 0.3129,
0.3291

■ 40.2008, 0.2990,
0.3178

■ 44.0782, 0.2870,
0.3072

■ 48.2296, 0.2764,
0.2975

Harmonies

Analogous

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



20.2028, 0.4466, 0.3530



20.2028, 0.4414, 0.4039



20.2028, 0.4001, 0.4440

Triad

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



20.2028, 0.4414, 0.4039



20.2028, 0.2210, 0.3480



20.2028, 0.2758, 0.2316

Complementary

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



20.2028, 0.4414, 0.4039



15.8104, 0.2193, 0.2340

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.



20.2028, 0.2239, 0.2236



20.2028, 0.4414, 0.4039



20.2028, 0.1951, 0.2816

Square

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



20.2028, 0.4414, 0.4039



20.2028, 0.2724, 0.4171



20.2028, 0.1964, 0.2392



20.2028, 0.3444, 0.2596

Rectangle

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



20.2028, 0.4414, 0.4039



20.2028, 0.3600, 0.4552



20.2028, 0.1964, 0.2392



20.2028, 0.2560, 0.2265

Sweetspot

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



20.2038, 0.4414, 0.4039



54.9447, 0.3434, 0.3518



12.8227, 0.3964, 0.2525



12.0061, 0.3487, 0.3555



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



20.2038, 0.4414, 0.4039



31.7117, 0.4771, 0.4137



33.7941, 0.3973, 0.4650



7.6435, 0.3273, 0.3403



10.7708, 0.5380, 0.4110



0.3208, 0.4851, 0.4531

Inverse Universe

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



15.8104, 0.2193, 0.2340



23.1365, 0.2020, 0.2087



7.7410, 0.1992, 0.1431



7.4179, 0.2987, 0.3175



6.7809, 0.1781, 0.1610



0.2370, 0.1965, 0.2273

Previews

White Background



This preview shows how the Yxy color 20.2028, 0.4414, 0.4039 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 20.2028, 0.4414, 0.4039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

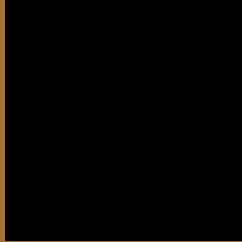
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2028, 0.4414, 0.4039

Background



This preview shows how black text looks on a background with the Yxy color 20.2028, 0.4414, 0.4039.



This preview shows how white text looks on a background with the Yxy color 20.2028, 0.4414, 0.4039.

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

20.2028, 0.4414, 0.4039

Protanopia

20.4153, 0.3924, 0.4278

Deuteranopia

20.3361, 0.4244, 0.4177



Tritanopia

20.2016, 0.3833, 0.3167

Trichromacy



Original Color

20.2028, 0.4414, 0.4039

Protanomaly

20.2031, 0.4089, 0.4186

Deuteranomaly

20.2608, 0.4316, 0.4127

Tritanomaly

20.1219, 0.4077, 0.3497

Monochromacy



Original Color

20.2028, 0.4414, 0.4039

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.7955, 0.3579, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2028, 0.4414, 0.4039 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(163, 114, 65)` looks like.

```
.text, #text, p{  
    color:rgb(163, 114, 65)  
}
```

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(163, 114, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 114, 65) }
```

Border

The CSS property to change the border of an element to Yxy 20.2028, 0.4414, 0.4039 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(163, 114, 65) }
```

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

```
.border{ border-color:rgb(163, 114, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 114, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 114, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 114, 65);  
box-shadow:4px 4px 4px 4px rgb(163, 114,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2028, 0.4414, 0.4039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 114, 65) }
```

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

```
.background{ background-color: rgb(163,  
114, 65) }
```

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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