

Converting Colors

$Y_{xy}(20.4281, 0.4621, 0.4340)$

Have a look what the booklet for
Yxy(20.4281, 0.4621, 0.4340)
contains.

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Color

Yxy(20.4374, 0.4619, 0.4341)

Conversions

Conversions Part 1

Format	Color
Hex	A37429
RGB	163, 116, 41
RGB Percent	64%, 45%, 16%
CMY	0.3609, 0.5450, 0.8392
CMYK	0.00, 0.29, 0.75, 0.36
HSL	37°, 60%, 40%
HSV	37°, 75%, 64%
XYZ	21.7462, 20.4374, 4.8963
YIQ	121.5030, 52.0870, -13.3610

Conversions

Conversions Part 2

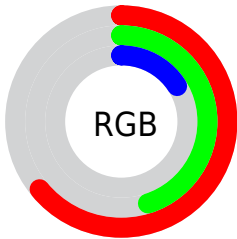
Format	Color
RYB	117, 163, 41
Decimal	10712105
CIELab	52.33, 11.29, 46.69
CIElCh	52, 48.032, 76.403
Yxy	20.4374, 0.4619, 0.4341
Android (android.graphics.Color)	4288902185 (0xFFA37429)
YUV	121.5030, -39.6880, 36.3929
Hunter-Lab	45.2077, 6.7501, 25.2239

Details

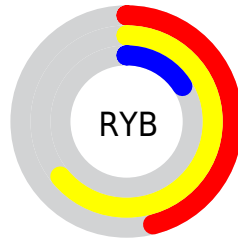
The Yxy color **20.4374, 0.4619, 0.4341** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.0879, 0.1928, 0.1767**, and the grayscale version is **19.4110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1327, 0.4318, 0.4169**, and **7.2600, 0.4969, 0.4437** is the 20% darker color. If you saturate the color by 10%, you get **18.9489, 0.4816, 0.4383**, and if you desaturate by 10%, it is **22.0728, 0.4403, 0.4255**.

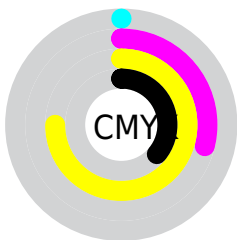
Distribution



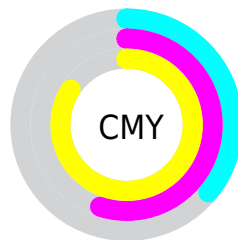
- Red (64%)
- Green (45%)
- Blue (16%)



- Red (46%)
- Yellow (64%)
- Blue (16%)



- Cyan (0%)
- Magenta (29%)
- Yellow (75%)
- Black (36%)



- Cyan (36%)
- Magenta (55%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4374, 0.4619, 0.4341 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 20.4374, 0.4619, 0.4341 by changing the saturation by 10% instead.


 20.4374, 0.4619,
0.4341


 20.4374, 0.4619,
0.4341


254.2733, 0.3813,
0.3819


 12.7134, 0.4816,
0.4441


 44.1493, 0.4322,
0.4166

 7.2315, 0.5059,
0.4543


 60.9060, 0.4210,
0.4094


 3.6073, 0.5368,
0.4632

 81.4424, 0.4116,
0.4031

 1.4564, 0.5534,
0.4466

 106.1428, 0.4037,
0.3977

 0.2577, 0.6689,
0.3311

 135.3917, 0.3969,
0.3930

 0.0000, 0.0000,
0.0000

 169.5735, 0.3910,

0.3888

209.0726, 0.3858,
0.3851

■ 20.4374, 0.4619,
0.4341

■ 20.4374, 0.4619,
0.4341

■ 18.9489, 0.4816,
0.4383

■ 22.0728, 0.4403,
0.4255

■ 17.5959, 0.4983,
0.4375

■ 23.8590, 0.4178,
0.4134

■ 16.9426, 0.5065,
0.4361

■ 25.8034, 0.3956,
0.3990

■ 27.9118, 0.3743,
0.3834

■ 30.1896, 0.3545,
0.3673

■ 32.6418, 0.3364,
0.3514

■ 35.2731, 0.3200,
0.3361

■ 38.0882, 0.3054,
0.3217

■ 41.0914, 0.2924,
0.3081

Harmonies

Analogous

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



20.4374, 0.4865, 0.3718



20.4374, 0.4619, 0.4341



20.4374, 0.3984, 0.4829

Triad

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



20.4374, 0.4619, 0.4341



20.4374, 0.1852, 0.3246



20.4374, 0.2877, 0.2165

Complementary

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



20.4374, 0.4619, 0.4341



10.0879, 0.1928, 0.1767

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.



20.4374, 0.2168, 0.1992



20.4374, 0.4619, 0.4341



20.4374, 0.1649, 0.2481

Square

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



20.4374, 0.4619, 0.4341



20.4374, 0.2388, 0.4217



20.4374, 0.1758, 0.2079



20.4374, 0.3779, 0.2557

Rectangle

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



20.4374, 0.4619, 0.4341



20.4374, 0.3449, 0.4925



20.4374, 0.1758, 0.2079



20.4374, 0.2610, 0.2081

Sweetspot

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



20.4384, 0.4619, 0.4341



55.1254, 0.3499, 0.3634



10.1045, 0.4608, 0.2626



12.1354, 0.3547, 0.3675



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.



20.4384, 0.4619, 0.4341



32.2670, 0.4934, 0.4383



32.9039, 0.3961, 0.4971



7.7770, 0.3270, 0.3428



13.2615, 0.5055, 0.4369



0.3660, 0.4673, 0.4672

Inverse Universe

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



10.0879, 0.1928, 0.1767



12.9919, 0.1744, 0.1398



4.9916, 0.1812, 0.1019



7.2862, 0.2987, 0.3148



4.8796, 0.1681, 0.1253



0.1924, 0.1885, 0.1987

Previews

White Background



This preview shows how the Yxy color 20.4374, 0.4619, 0.4341 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 20.4374, 0.4619, 0.4341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

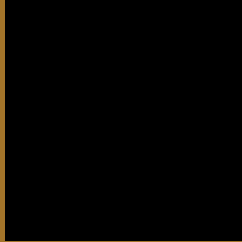
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4374, 0.4619, 0.4341

Background



This preview shows how black text looks on a background with the Yxy color 20.4374, 0.4619, 0.4341.



This preview shows how white text looks on a background with the Yxy color 20.4374, 0.4619, 0.4341.

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

20.4374, 0.4619, 0.4341

Protanopia

20.4245, 0.4193, 0.4603

Deuteranopia

20.5150, 0.4514, 0.4434



Tritanopia

20.5465, 0.3828, 0.3168

Trichromacy



Original Color

20.4374, 0.4619, 0.4341

Protanomaly

20.3894, 0.4340, 0.4512

Deuteranomaly

20.4810, 0.4552, 0.4406

Tritanomaly

20.4166, 0.4172, 0.3652

Monochromacy



Original Color

20.4374, 0.4619, 0.4341

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5416, 0.3678, 0.3782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4374, 0.4619, 0.4341 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, 116, 41)` looks like.

```
.text, #text, p{  
    color:rgb(163, 116, 41)  
}
```

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, 116, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 116, 41) }
```

Border

The CSS property to change the border of an element to Yxy 20.4374, 0.4619, 0.4341 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, 116, 41) }
```

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

```
.border{ border-color:rgb(163, 116, 41) }
```

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

Here you see how a box with a 4 pixel rgb(163, 116, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 116, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 116, 41);  
box-shadow:4px 4px 4px 4px rgb(163, 116,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4374, 0.4619, 0.4341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 116, 41) }
```

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

```
.background{ background-color: rgb(163,  
116, 41) }
```

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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