

Converting Colors

$Y_{xy}(20.6027, 0.4319, 0.4508)$

Have a look what the booklet for
Yxy(20.6027, 0.4319, 0.4508)
contains.

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Color

Yxy(20.6437, 0.4320, 0.4515)

Conversions

Conversions Part 1

Format	Color
Hex	947B2C
RGB	148, 123, 44
RGB Percent	58%, 48%, 17%
CMY	0.4196, 0.5176, 0.8274
CMYK	0.00, 0.17, 0.70, 0.42
HSL	46°, 54%, 38%
HSV	46°, 70%, 58%
XYZ	19.7521, 20.6437, 5.3267
YIQ	121.4690, 40.2590, -19.2690

Conversions

Conversions Part 2

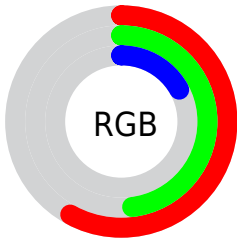
Format	Color
RYB	77, 148, 44
Decimal	9730860
CIELab	52.56, 0.66, 45.06
CIELCh	53, 45.060, 89.166
Yxy	20.6437, 0.4320, 0.4515
Android (android.graphics.Color)	4287920940 (0xFF947B2C)
YUV	121.4690, -38.1922, 23.2677
Hunter-Lab	45.4353, -1.9125, 24.8538

Details

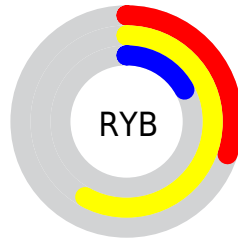
The Yxy color **20.6437, 0.4320, 0.4515** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **6.9325, 0.1919, 0.1563**, and the grayscale version is **19.3979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4472, 0.4093, 0.4278**, and **7.4118, 0.4572, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **19.6853, 0.4466, 0.4605**, and if you desaturate by 10%, it is **21.6759, 0.4155, 0.4386**.

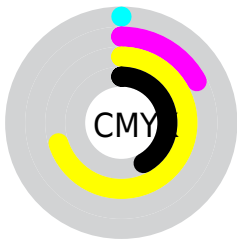
Distribution



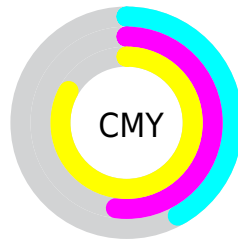
- Red (58%)
- Green (48%)
- Blue (17%)



- Red (30%)
- Yellow (58%)
- Blue (17%)



- Cyan (0%)
- Magenta (17%)
- Yellow (70%)
- Black (42%)




- Cyan (42%)
- Magenta (52%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6437, 0.4320, 0.4515 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 20.6437, 0.4320, 0.4515 by changing the saturation by 10% instead.


 20.6437, 0.4320,
0.4515


 20.6437, 0.4320,
0.4515


 255.3788, 0.3684,
0.3865


 12.8638, 0.4470,
0.4667


 44.4938, 0.4088,
0.4279


 7.3348, 0.4646,
0.4843


 61.3328, 0.4000,
0.4189


 3.6724, 0.4903,
0.5097

 81.9603, 0.3926,
0.4113

 1.4920, 0.4913,
0.5087

 106.7606, 0.3863,
0.4049

 0.2831, 0.5017,
0.4983

 136.1183, 0.3809,
0.3993

 0.0000, 0.0000,
0.0000

 170.4176, 0.3761,

0.3944

210.0430, 0.3720,
0.3902

■ 20.6437, 0.4320,
0.4515

■ 20.6437, 0.4320,
0.4515

■ 19.6853, 0.4466,
0.4605

■ 21.6759, 0.4155,
0.4386

■ 18.7930, 0.4586,
0.4651

■ 22.7830, 0.3977,
0.4227

■ 17.9775, 0.4683,
0.4663

■ 23.9698, 0.3796,
0.4048

■ 25.2395, 0.3616,
0.3859

■ 26.5954, 0.3444,
0.3667

■ 28.0401, 0.3282,
0.3477

■ 29.5766, 0.3131,
0.3295

■ 31.2073, 0.2993,
0.3122

■ 32.9346, 0.2868,
0.2961

Harmonies

Analogous

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



20.6437, 0.4722, 0.3964



20.6437, 0.4320, 0.4515



20.6437, 0.3630, 0.4814

Triad

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



20.6437, 0.4320, 0.4515



20.6437, 0.1803, 0.2912



20.6437, 0.3247, 0.2361

Complementary

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



20.6437, 0.4320, 0.4515



6.9325, 0.1919, 0.1563

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.



20.6437, 0.2478, 0.2102



20.6437, 0.4320, 0.4515



20.6437, 0.1735, 0.2331

Square

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



20.6437, 0.4320, 0.4515



20.6437, 0.2184, 0.3774



20.6437, 0.1962, 0.2078



20.6437, 0.4085, 0.2807

Rectangle

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



20.6437, 0.4320, 0.4515



20.6437, 0.3106, 0.4720



20.6437, 0.1962, 0.2078



20.6437, 0.2969, 0.2251

Sweetspot

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



20.6447, 0.4320, 0.4515



46.6347, 0.3463, 0.3689



8.5411, 0.4828, 0.2899



10.5075, 0.3506, 0.3736



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.6447, 0.4320, 0.4515



33.8622, 0.4534, 0.4636



25.5040, 0.3749, 0.5013



6.5107, 0.3265, 0.3457



15.3963, 0.4680, 0.4666



0.2340, 0.4414, 0.4877

Inverse Universe

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



6.9325, 0.1919, 0.1563



8.3430, 0.1711, 0.1177



5.2426, 0.2060, 0.1231



5.8461, 0.2989, 0.3117



2.9205, 0.1585, 0.0905



0.0756, 0.1789, 0.1639

Previews

White Background



This preview shows how the Yxy color 20.6437, 0.4320, 0.4515 looks on a white background.

Color Contrast Check

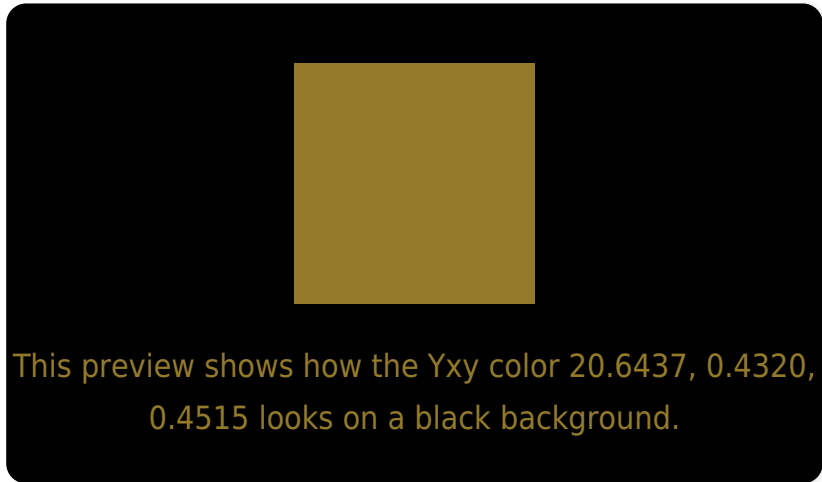
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



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 20.6437, 0.4320, 0.4515

Background



This preview shows how black text looks on a background with the Yxy color 20.6437, 0.4320, 0.4515.



This preview shows how white text looks on a background with the Yxy color 20.6437, 0.4320, 0.4515.

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

20.6437, 0.4320, 0.4515

Protanopia

20.6866, 0.4174, 0.4605

Deuteranopia

20.5512, 0.4475, 0.4385



Tritanopia

20.5867, 0.3526, 0.3143

Trichromacy



Original Color

20.6437, 0.4320, 0.4515

Protanomaly

20.6963, 0.4224, 0.4569

Deuteranomaly

20.4924, 0.4425, 0.4420

Tritanomaly

20.4585, 0.3866, 0.3680

Monochromacy



Original Color

20.6437, 0.4320, 0.4515

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.5347, 0.3588, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6437, 0.4320, 0.4515 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 $rgb(148, 123, 44)$ looks like.

```
.text, #text, p{  
    color:rgb(148, 123, 44)  
}
```

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(148, 123, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 123, 44) }
```

Border

The CSS property to change the border of an element to Yxy 20.6437, 0.4320, 0.4515 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(148, 123, 44) }
```

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

```
.border{ border-color:rgb(148, 123, 44) }
```

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

Here you see how a box with a 4 pixel rgb(148, 123, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 123, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 123, 44);  
box-shadow:4px 4px 4px 4px rgb(148, 123,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6437, 0.4320, 0.4515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 123, 44) }
```

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

```
.background{ background-color: rgb(148,  
123, 44) }
```

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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