

Converting Colors

$Y_{xy}(20.7329, 0.3531, 0.4502)$

Have a look what the booklet for
Yxy(20.7329, 0.3531, 0.4502)
contains.

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Color

Yxy(20.6747, 0.3525, 0.4497)

Conversions

Conversions Part 1

Format	Color
Hex	708547
RGB	112, 133, 71
RGB Percent	44%, 52%, 28%
CMY	0.5608, 0.4784, 0.7217
CMYK	0.16, 0.00, 0.47, 0.48
HSL	80°, 30%, 40%
HSV	80°, 47%, 52%
XYZ	16.2060, 20.6747, 9.0937
YIQ	119.6530, 7.3860, -23.7340

Conversions

Conversions Part 2

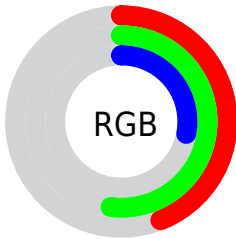
Format	Color
RYB	71, 133, 92
Decimal	7374151
CIELab	52.59, -18.40, 30.84
CIElCh	53, 35.909, 120.818
Yxy	20.6747, 0.3525, 0.4497
Android (android.graphics.Color)	4285564231 (0xFF708547)
YUV	119.6530, -23.9859, -6.7117
Hunter-Lab	45.4694, -15.9515, 19.9708

Details

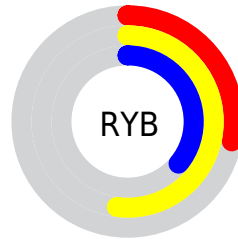
The Yxy color $20.6747, 0.3525, 0.4497$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $8.4719, 0.2557, 0.1988$, and the grayscale version is $18.7416, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.4976, 0.3453, 0.4207$, and $7.2766, 0.3614, 0.5014$ is the 20% darker color. If you saturate the color by 10%, you get $20.2350, 0.3587, 0.4754$, and if you desaturate by 10%, it is $21.1684, 0.3450, 0.4229$.

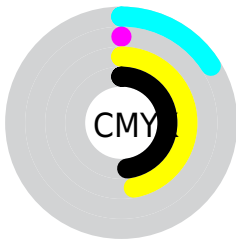
Distribution



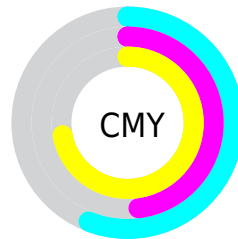
- Red (44%)
- Green (52%)
- Blue (28%)



- Red (28%)
- Yellow (52%)
- Blue (36%)



- Cyan (16%)
- Magenta (0%)
- Yellow (47%)
- Black (48%)




- Cyan (56%)
- Magenta (48%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6747, 0.3525, 0.4497 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 20.6747, 0.3525, 0.4497 by changing the saturation by 10% instead.


 20.6747, 0.3525,
0.4497


 20.6747, 0.3525,
0.4497


255.5446, 0.3322,
0.3793


 12.8864, 0.3569,
0.4711


 44.5455, 0.3454,
0.4214


 7.3504, 0.3614,
0.5010


 61.3968, 0.3426,
0.4116

 3.6822, 0.3669,
0.5486

 82.0380, 0.3402,
0.4037

 1.4974, 0.3692,
0.6308

 106.8533, 0.3381,
0.3971

 0.2869, 0.0000,
1.0000

 136.2273, 0.3364,
0.3916

 0.0000, 0.0000,
0.0000

170.5442, 0.3348,

0.3869

210.1885, 0.3334,
0.3829

■ 20.6747, 0.3525,
0.4497

■ 20.6747, 0.3525,
0.4497

■ 20.2350, 0.3587,
0.4754

■ 21.1684, 0.3450,
0.4229

■ 19.8439, 0.3631,
0.4989

■ 21.7158, 0.3366,
0.3959

■ 19.4993, 0.3654,
0.5191


■ 22.3201, 0.3277,
0.3697


■ 19.1979, 0.3653,
0.5350


■ 22.9834, 0.3187,
0.3447

■ 18.9335, 0.3632,
0.5467


■ 23.7077, 0.3097,
0.3213

 18.8490, 0.3624,
0.5505

 24.4949, 0.3011,
0.2997

 25.3469, 0.2929,
0.2800

 26.2653, 0.2852,
0.2621

 27.2518, 0.2780,
0.2459

Harmonies

Analogous

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



20.6747, 0.4087, 0.4323



20.6747, 0.3525, 0.4497



20.6747, 0.2887, 0.4251

Triad

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



20.6747, 0.3525, 0.4497



20.6747, 0.1980, 0.2502



20.6747, 0.3925, 0.2928

Complementary

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



20.6747, 0.3525, 0.4497



8.4719, 0.2557, 0.1988

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.



20.6747, 0.3269, 0.2542



20.6747, 0.3525, 0.4497



20.6747, 0.2188, 0.2290

Square

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



20.6747, 0.3525, 0.4497



20.6747, 0.2031, 0.2973



20.6747, 0.2636, 0.2314



20.6747, 0.4360, 0.3406

Rectangle

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



20.6747, 0.3525, 0.4497



20.6747, 0.2506, 0.3867



20.6747, 0.2636, 0.2314



20.6747, 0.3719, 0.2786

Sweetspot

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



20.6756, 0.3525, 0.4497



40.2331, 0.3256, 0.3638



13.0361, 0.4133, 0.3688



9.0160, 0.3273, 0.3685



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.6756, 0.3525, 0.4497



36.1866, 0.3590, 0.4770



18.9944, 0.3167, 0.4646



5.3462, 0.3209, 0.3508



17.9571, 0.3625, 0.5504



0.0662, 0.3895, 0.5289

Inverse Universe

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



8.4719, 0.2557, 0.1988



11.5054, 0.2390, 0.1665



10.3838, 0.3017, 0.2145



4.6156, 0.3040, 0.3069



2.1496, 0.1780, 0.0754



0.0112, 0.2253, 0.1015

Previews

White Background



This preview shows how the Yxy color 20.6747, 0.3525, 0.4497 looks on a white background.

Color Contrast Check

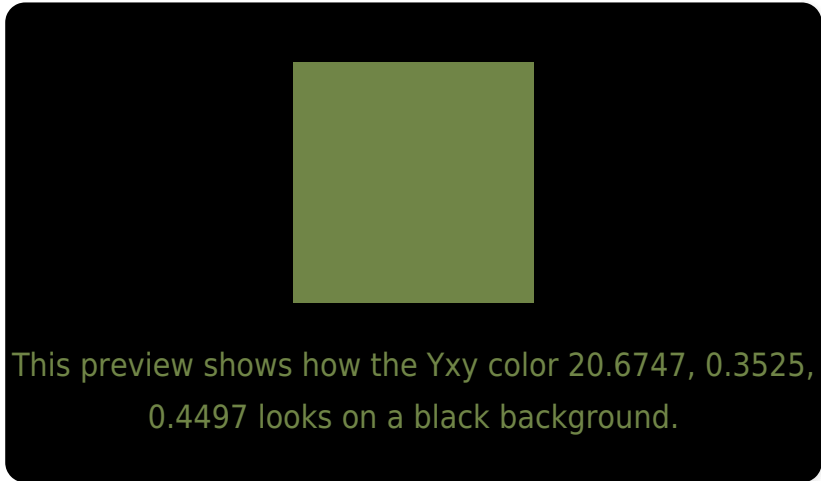
Large Text (above 18pt) WCAG AA ✓ Pass

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

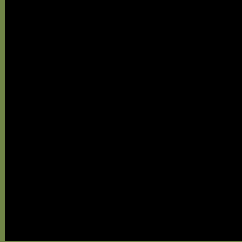
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6747, 0.3525, 0.4497

Background



This preview shows how black text looks on a background with the Yxy color 20.6747, 0.3525, 0.4497.



This preview shows how white text looks on a background with the Yxy color 20.6747, 0.3525, 0.4497.

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

20.6747, 0.3525, 0.4497

Protanopia

20.4879, 0.3947, 0.4288

Deuteranopia

20.6028, 0.4110, 0.4051



Tritanopia

20.6924, 0.2951, 0.3107

Trichromacy



Original Color

20.6747, 0.3525, 0.4497

Protanomaly

20.5351, 0.3794, 0.4366

Deuteranomaly

20.4666, 0.3881, 0.4213

Tritanomaly

20.6523, 0.3170, 0.3615

Monochromacy



Original Color

20.6747, 0.3525, 0.4497

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.4084, 0.3289, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6747, 0.3525, 0.4497 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(112, 133, 71)` looks like.

```
.text, #text, p{  
    color:rgb(112, 133, 71)  
}
```

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(112, 133, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 133, 71) }
```

Border

The CSS property to change the border of an element to Yxy 20.6747, 0.3525, 0.4497 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(112, 133, 71) }
```

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

```
.border{ border-color:rgb(112, 133, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 133, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 133, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 133, 71);  
box-shadow:4px 4px 4px 4px rgb(112, 133,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6747, 0.3525, 0.4497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 133, 71) }
```

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

```
.background{ background-color: rgb(112,  
133, 71) }
```

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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