

Converting Colors

$Y_{xy}(21.1099, 0.3460, 0.4540)$

Have a look what the booklet for
Yxy(21.1099, 0.3460, 0.4540)
contains.

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Color

Yxy(20.9840, 0.3457, 0.4528)

Conversions

Conversions Part 1

Format	Color
Hex	6C8748
RGB	108, 135, 72
RGB Percent	42%, 53%, 28%
CMY	0.5764, 0.4706, 0.7176
CMYK	0.20, 0.00, 0.47, 0.47
HSL	86°, 30%, 41%
HSV	86°, 47%, 53%
XYZ	16.0207, 20.9840, 9.3381
YIQ	119.7450, 4.1310, -25.3170

Conversions

Conversions Part 2

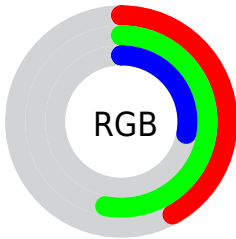
Format	Color
RYB	72, 135, 99
Decimal	7112520
CIELab	52.93, -20.92, 30.65
CIELCh	53, 37.111, 124.321
Yxy	20.9840, 0.3457, 0.4528
Android (android.graphics.Color)	4285302600 (0xFF6C8748)
YUV	119.7450, -23.5383, -10.3004
Hunter-Lab	45.8083, -17.7371, 19.9795

Details

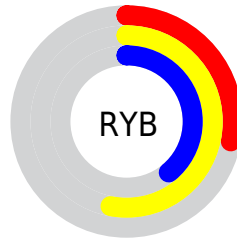
The Yxy color $20.9840, 0.3457, 0.4528$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $9.0365, 0.2635, 0.2012$, and the grayscale version is $18.7745, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.9486, 0.3404, 0.4228$, and $7.4970, 0.3528, 0.5060$ is the 20% darker color. If you saturate the color by 10%, you get $20.4770, 0.3504, 0.4800$, and if you desaturate by 10%, it is $21.5556, 0.3397, 0.4248$.

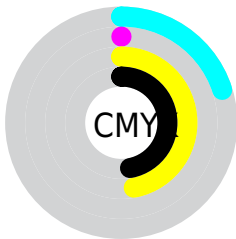
Distribution



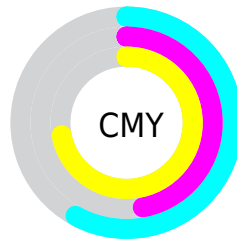
- Red (42%)
- Green (53%)
- Blue (28%)



- Red (28%)
- Yellow (53%)
- Blue (39%)



- Cyan (20%)
- Magenta (0%)
- Yellow (47%)
- Black (47%)




- Cyan (58%)
- Magenta (47%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9840, 0.3457, 0.4528 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 20.9840, 0.3457, 0.4528 by changing the saturation by 10% instead.


 20.9840, 0.3457,
0.4528


 20.9840, 0.3457,
0.4528


257.1935, 0.3294,
0.3804


 13.1123, 0.3488,
0.4750


 45.0609, 0.3402,
0.4236


 7.5059, 0.3516,
0.5061


 62.0349, 0.3380,
0.4135


 3.7805, 0.3538,
0.5550

 82.8118, 0.3360,
0.4053

 1.5515, 0.3539,
0.6461

 107.7760, 0.3343,
0.3986

 0.3246, 0.0000,
1.0000

 137.3118, 0.3329,
0.3930

 0.0000, 0.0000,
0.0000

171.8038, 0.3316,

0.3881

211.6362, 0.3304,
0.3840

■ 20.9840, 0.3457,
0.4528

■ 20.9840, 0.3457,
0.4528

■ 20.4770, 0.3504,
0.4800

■ 21.5556, 0.3397,
0.4248

■ 20.0288, 0.3534,
0.5051

■ 22.1917, 0.3328,
0.3969

■ 19.6370, 0.3543,
0.5270

■ 22.8960, 0.3254,
0.3701

■ 19.2977, 0.3529,
0.5444

■ 23.6707, 0.3178,
0.3448

■ 19.0047, 0.3497,
0.5574

■ 24.5183, 0.3102,
0.3214

■ 18.9130, 0.3485,
0.5615

■ 25.4408, 0.3029,
0.2999

■ 26.4404, 0.2958,
0.2804

■ 27.5190, 0.2892,
0.2628

■ 28.6785, 0.2830,
0.2471

Harmonies

Analogous

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



20.9840, 0.4053, 0.4387



20.9840, 0.3457, 0.4528



20.9840, 0.2805, 0.4223

Triad

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



20.9840, 0.3457, 0.4528



20.9840, 0.1964, 0.2442



20.9840, 0.4016, 0.2971

Complementary

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



20.9840, 0.3457, 0.4528



9.0365, 0.2635, 0.2012

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.



20.9840, 0.3354, 0.2563



20.9840, 0.3457, 0.4528



20.9840, 0.2205, 0.2256

Square

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



20.9840, 0.3457, 0.4528



20.9840, 0.1983, 0.2893



20.9840, 0.2690, 0.2308



20.9840, 0.4423, 0.3466

Rectangle

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



20.9840, 0.3457, 0.4528



20.9840, 0.2428, 0.3803



20.9840, 0.2690, 0.2308



20.9840, 0.3812, 0.2822

Sweetspot

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



20.9849, 0.3457, 0.4528



41.3184, 0.3236, 0.3640



14.4016, 0.4088, 0.3785



9.5097, 0.3250, 0.3690



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.9849, 0.3457, 0.4528



36.6216, 0.3506, 0.4816



19.3836, 0.3113, 0.4672



5.3264, 0.3196, 0.3509



17.4490, 0.3487, 0.5613



0.0648, 0.3803, 0.5362

Inverse Universe

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



9.0365, 0.2635, 0.2012



12.4640, 0.2488, 0.1704



11.1110, 0.3097, 0.2170



4.6348, 0.3053, 0.3070



2.4447, 0.1920, 0.0831



0.0126, 0.2414, 0.1104

Previews

White Background



This preview shows how the Yxy color 20.9840, 0.3457, 0.4528 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 20.9840, 0.3457, 0.4528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

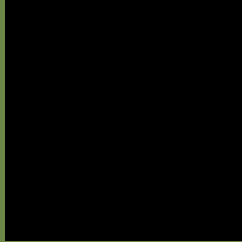
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9840, 0.3457, 0.4528

Background



This preview shows how black text looks on a background with the Yxy color 20.9840, 0.3457, 0.4528.



This preview shows how white text looks on a background with the Yxy color 20.9840, 0.3457, 0.4528.

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

20.9840, 0.3457, 0.4528

Protanopia

20.8403, 0.3942, 0.4282

Deuteranopia

20.7270, 0.4100, 0.4016



Tritanopia

21.0552, 0.2898, 0.3107

Trichromacy



Original Color

20.9840, 0.3457, 0.4528

Protanomaly

20.7319, 0.3764, 0.4370

Deuteranomaly

20.4936, 0.3859, 0.4180

Tritanomaly

21.0249, 0.3112, 0.3616

Monochromacy



Original Color

20.9840, 0.3457, 0.4528

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.3595, 0.3265, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9840, 0.3457, 0.4528 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(108, 135, 72)` looks like.

```
.text, #text, p{  
    color:rgb(108, 135, 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(108, 135, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 135, 72) }
```

Border

The CSS property to change the border of an element to Yxy 20.9840, 0.3457, 0.4528 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(108, 135, 72) }
```

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

```
.border{ border-color:rgb(108, 135, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 135, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 135, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 135, 72);  
box-shadow:4px 4px 4px 4px rgb(108, 135,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9840, 0.3457, 0.4528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 135, 72) }
```

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

```
.background{ background-color: rgb(108,  
135, 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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