

Converting Colors

$Y_{xy}(21.7078, 0.3403, 0.4093)$

Have a look what the booklet for
Yxy(21.7078, 0.3403, 0.4093)
contains.

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Color

Yxy(21.7448, 0.3397, 0.4089)

Conversions

Conversions Part 1

Format	Color
Hex	77865C
RGB	119, 134, 92
RGB Percent	47%, 53%, 36%
CMY	0.5333, 0.4745, 0.6392
CMYK	0.11, 0.00, 0.31, 0.47
HSL	81°, 19%, 44%
HSV	81°, 31%, 53%
XYZ	18.0648, 21.7448, 13.3691
YIQ	124.7270, 4.5420, -16.2420

Conversions

Conversions Part 2

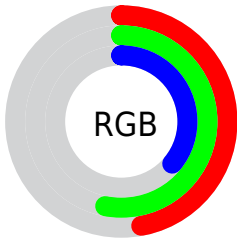
Format	Color
R_{YB}	92, 134, 107
Decimal	7833180
CIE _{Lab}	53.76, -13.19, 20.86
CIE _{LCh}	54, 24.683, 122.309
Y _{xy}	21.7448, 0.3397, 0.4089
Android (android.graphics.Color)	4286023260 (0xFF77865C)
YUV	124.7270, -16.1344, -5.0226
Hunter-Lab	46.6313, -12.4545, 15.6436

Details

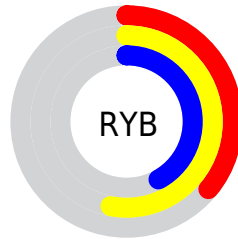
The Yxy color $21.7448, 0.3397, 0.4089$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $12.5004, 0.2788, 0.2455$, and the grayscale version is $20.4662, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.2945, 0.3343, 0.3895$, and $7.8322, 0.3491, 0.4432$ is the 20% darker color. If you saturate the color by 10%, you get $21.2017, 0.3474, 0.4361$, and if you desaturate by 10%, it is $22.3483, 0.3313, 0.3821$.

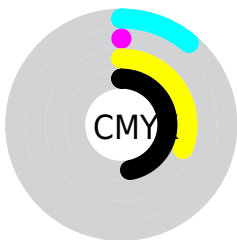
Distribution



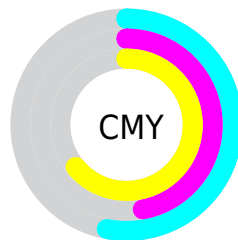
- Red (47%)
- Green (53%)
- Blue (36%)



- Red (36%)
- Yellow (53%)
- Blue (42%)



- Cyan (11%)
- Magenta (0%)
- Yellow (31%)
- Black (47%)




- Cyan (53%)
- Magenta (47%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7448, 0.3397, 0.4089 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 21.7448, 0.3397, 0.4089 by changing the saturation by 10% instead.


 21.7448, 0.3397,
0.4089


 21.7448, 0.3397,
0.4089


261.2106, 0.3254,
0.3628


 13.6695, 0.3434,
0.4230


 46.3238, 0.3344,
0.3904


 7.8912, 0.3480,
0.4429


 63.5964, 0.3324,
0.3840

 4.0254, 0.3536,
0.4730

 84.7035, 0.3307,
0.3788

 1.6878, 0.3803,
0.5542

 110.0295, 0.3293,
0.3745

 0.4157, 0.1495,
0.8505

139.9588, 0.3281,
0.3708

 0.0000, 0.0000,
0.0000

174.8758, 0.3271,

0.3678

215.1650, 0.3262,
0.3651

■ 21.7448, 0.3397,
0.4089

■ 21.7448, 0.3397,
0.4089

■ 21.2017, 0.3474,
0.4361

■ 22.3483, 0.3313,
0.3821

■ 20.7137, 0.3541,
0.4628

■ 23.0117, 0.3226,
0.3564

■ 20.2791, 0.3592,
0.4880


■ 23.7379, 0.3139,
0.3321


■ 19.8951, 0.3623,
0.5104


■ 24.5291, 0.3054,
0.3097


■ 19.5583, 0.3632,
0.5290

■ 25.3871, 0.2972,
0.2891

 19.2650, 0.3618,
0.5430

 26.3138, 0.2895,
0.2704

 19.0368, 0.3594,
0.5528

 27.3108, 0.2823,
0.2535

 28.3800, 0.2755,
0.2383

 29.5228, 0.2693,
0.2246

Harmonies

Analogous

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



21.7448, 0.3782, 0.4019



21.7448, 0.3397, 0.4089



21.7448, 0.2956, 0.3900

Triad

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



21.7448, 0.3397, 0.4089



21.7448, 0.2322, 0.2745



21.7448, 0.3687, 0.3062

Complementary

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



21.7448, 0.3397, 0.4089



12.5004, 0.2788, 0.2455

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.



21.7448, 0.3255, 0.2775



21.7448, 0.3397, 0.4089



21.7448, 0.2483, 0.2587

Square

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



21.7448, 0.3397, 0.4089



21.7448, 0.2354, 0.3073



21.7448, 0.2815, 0.2604



21.7448, 0.3966, 0.3412

Rectangle

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



21.7448, 0.3397, 0.4089



21.7448, 0.2691, 0.3652



21.7448, 0.2815, 0.2604



21.7448, 0.3553, 0.2956

Sweetspot

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



21.7458, 0.3397, 0.4089



40.8083, 0.3207, 0.3510



16.2938, 0.3721, 0.3569



9.1585, 0.3218, 0.3541



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.



21.7458, 0.3397, 0.4089



37.5851, 0.3456, 0.4293



20.4368, 0.3155, 0.4153



5.3421, 0.3206, 0.3508



17.8457, 0.3596, 0.5527



0.0659, 0.3877, 0.5304

Inverse Universe

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



12.5004, 0.2788, 0.2455



18.4823, 0.2686, 0.2230



13.9411, 0.3073, 0.2522



4.6195, 0.3043, 0.3069



2.2040, 0.1806, 0.0769



0.0115, 0.2287, 0.1033

Previews

White Background



This preview shows how the Yxy color 21.7448, 0.3397, 0.4089 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 21.7448, 0.3397, 0.4089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

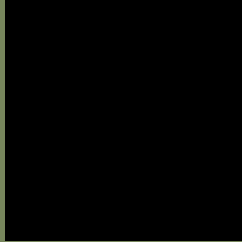
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7448, 0.3397, 0.4089

Background



This preview shows how black text looks on a background with the Yxy color 21.7448, 0.3397, 0.4089.



This preview shows how white text looks on a background with the Yxy color 21.7448, 0.3397, 0.4089.

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

21.7448, 0.3397, 0.4089

Protanopia

21.5798, 0.3684, 0.3966

Deuteranopia

21.6495, 0.3848, 0.3778



Tritanopia

21.6333, 0.2987, 0.3112

Trichromacy



Original Color

21.7448, 0.3397, 0.4089

Protanomaly

21.5459, 0.3573, 0.4003

Deuteranomaly

21.5445, 0.3681, 0.3891

Tritanomaly

21.5567, 0.3143, 0.3456

Monochromacy



Original Color

21.7448, 0.3397, 0.4089

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.8416, 0.3233, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7448, 0.3397, 0.4089 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(119, 134, 92)` looks like.

```
.text, #text, p{  
    color:rgb(119, 134, 92)  
}
```

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(119, 134, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 134, 92) }
```

Border

The CSS property to change the border of an element to Yxy 21.7448, 0.3397, 0.4089 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(119, 134, 92) }
```

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

```
.border{ border-color:rgb(119, 134, 92) }
```

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

Here you see how a box with a 4 pixel rgb(119, 134, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 134, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 134, 92);  
box-shadow:4px 4px 4px 4px rgb(119, 134,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7448, 0.3397, 0.4089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 134, 92) }
```

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

```
.background{ background-color: rgb(119,  
134, 92) }
```

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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