

Converting Colors

$Y_{xy}(21.6895, 0.3072, 0.4437)$

Have a look what the booklet for
Yxy(21.6895, 0.3072, 0.4437)
contains.

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Color

Yxy(21.7001, 0.3073, 0.4434)

Conversions

Conversions Part 1

Format	Color
Hex	568D56
RGB	86, 141, 86
RGB Percent	34%, 55%, 34%
CMY	0.6629, 0.4470, 0.6627
CMYK	0.39, 0.00, 0.39, 0.45
HSL	120°, 24%, 45%
HSV	120°, 39%, 55%
XYZ	15.0393, 21.7001, 12.2008
YIQ	118.2850, -15.1250, -28.7650

Conversions

Conversions Part 2

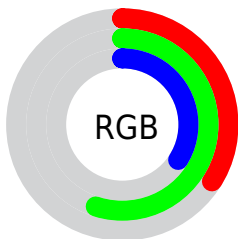
Format	Color
R_{YB}	86, 141, 141
Decimal	5672278
CIE _{Lab}	53.71, -30.03, 23.76
CIE _{LCh}	54, 38.292, 141.640
Yxy	21.7001, 0.3073, 0.4434
Android (android.graphics.Color)	4283862358 (0xFF568D56)
YUV	118.2850, -15.9165, -28.3139
Hunter-Lab	46.5834, -23.8926, 17.0795

Details

The Yxy color **21.7001, 0.3073, 0.4434** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.2338, 0.3171, 0.2362**, and the grayscale version is **18.2627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2111, 0.3101, 0.4161**, and **7.8229, 0.2991, 0.4944** is the 20% darker color. If you saturate the color by 10%, you get **20.8917, 0.3057, 0.4782**, and if you desaturate by 10%, it is **22.6872, 0.3089, 0.4100**.

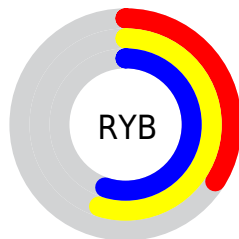
Distribution



Red (34%)

Green (55%)

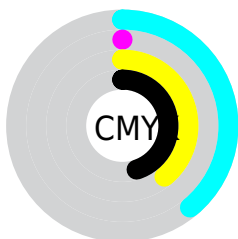
Blue (34%)



Red (34%)

Yellow (55%)

Blue (55%)

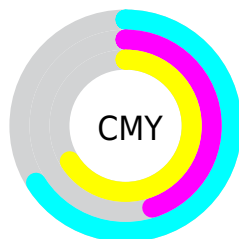


Cyan (39%)

Magenta (0%)

Yellow (39%)

Black (45%)



Cyan (66%)

Magenta (45%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7001, 0.3073, 0.4434 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 21.7001, 0.3073, 0.4434 by changing the saturation by 10% instead.

■ 21.7001, 0.3073,
0.4434

■ 21.7001, 0.3073,
0.4434

260.9761, 0.3123,
0.3757

■ 13.6367, 0.3046,
0.4650

■ 46.2498, 0.3100,
0.4156

■ 7.8684, 0.2998,
0.4962

■ 63.5049, 0.3107,
0.4062

■ 4.0109, 0.2903,
0.5447

■ 84.5928, 0.3112,
0.3986

■ 1.6796, 0.2969,
0.7031

■ 109.8977, 0.3116,
0.3924

■ 0.4104, 0.0000,
1.0000

■ 139.8041, 0.3118,
0.3872

■ 0.0000, 0.0000,
0.0000

174.6963, 0.3121,

0.3828

214.9589, 0.3122,
0.3790

■ 21.7001, 0.3073,
0.4434

■ 21.7001, 0.3073,
0.4434

■ 20.8917, 0.3057,
0.4782

■ 22.6872, 0.3089,
0.4100

■ 20.2487, 0.3041,
0.5124

■ 23.8597, 0.3103,
0.3791

■ 19.7605, 0.3026,
0.5436

■ 25.2276, 0.3117,
0.3513


■ 19.4140, 0.3014,
0.5693


■ 26.7991, 0.3128,
0.3268


■ 19.1943, 0.3006,
0.5874

■ 28.5820, 0.3138,
0.3055

 19.0647, 0.3000,
0.5989

 30.5839, 0.3147,
0.2870

 19.0530, 0.3000,
0.5999

 32.8118, 0.3155,
0.2712

 35.2725, 0.3161,
0.2576

 37.9723, 0.3167,
0.2459

Harmonies

Analogous

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



21.7001, 0.3735, 0.4541



21.7001, 0.3073, 0.4434



21.7001, 0.2460, 0.3878

Triad

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



21.7001, 0.3073, 0.4434



21.7001, 0.2054, 0.2285



21.7001, 0.4320, 0.3249

Complementary

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



21.7001, 0.3073, 0.4434



14.2338, 0.3171, 0.2362

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.



21.7001, 0.3765, 0.2774



21.7001, 0.3073, 0.4434



21.7001, 0.2445, 0.2241

Square

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



21.7001, 0.3073, 0.4434



21.7001, 0.1919, 0.2585



21.7001, 0.3058, 0.2418



21.7001, 0.4500, 0.3768

Rectangle

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



21.7001, 0.3073, 0.4434



21.7001, 0.2160, 0.3390



21.7001, 0.3058, 0.2418



21.7001, 0.4169, 0.3082

Sweetspot

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



21.7010, 0.3073, 0.4434



44.3453, 0.3113, 0.3599



25.3875, 0.3692, 0.4224



9.8436, 0.3111, 0.3629



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.7010, 0.3073, 0.4434



37.5437, 0.3058, 0.4745



22.2322, 0.2832, 0.3847



6.0295, 0.3116, 0.3517



17.3701, 0.3000, 0.5999



0.1661, 0.2999, 0.5995

Inverse Universe

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



14.2338, 0.3171, 0.2362



22.1880, 0.3181, 0.2167



13.5151, 0.3586, 0.2798



5.5110, 0.3137, 0.3073



6.9133, 0.3211, 0.1543



0.0661, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 21.7001, 0.3073, 0.4434 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 21.7001, 0.3073, 0.4434 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 21.7001, 0.3073, 0.4434

Background



This preview shows how black text looks on a background with the Yxy color 21.7001, 0.3073, 0.4434.



This preview shows how white text looks on a background with the Yxy color 21.7001, 0.3073, 0.4434.

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

21.7001, 0.3073, 0.4434

Protanopia

21.5214, 0.3798, 0.4118

Deuteranopia

21.3327, 0.3903, 0.3828



Tritanopia

21.6359, 0.2645, 0.3083

Trichromacy



Original Color

21.7001, 0.3073, 0.4434

Protanomaly

21.3927, 0.3506, 0.4239

Deuteranomaly

21.0110, 0.3562, 0.4033

Tritanomaly

21.6737, 0.2797, 0.3546

Monochromacy



Original Color

21.7001, 0.3073, 0.4434

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.0265, 0.3108, 0.3695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7001, 0.3073, 0.4434 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(86, 141, 86)` looks like.

```
.text, #text, p{  
    color:rgb(86, 141, 86)  
}
```

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(86, 141, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 141, 86) }
```

Border

The CSS property to change the border of an element to Yxy 21.7001, 0.3073, 0.4434 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(86, 141, 86) }
```

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

```
.border{ border-color:rgb(86, 141, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 141, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 141, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 141, 86);  
box-shadow:4px 4px 4px 4px rgb(86, 141,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7001, 0.3073, 0.4434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 141, 86) }
```

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

```
.background{ background-color: rgb(86, 141,  
86) }
```

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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