

Converting Colors

$Yxy(21.5411, 0.2994, 0.3718)$

Have a look what the booklet for
Yxy(21.5411, 0.2994, 0.3718)
contains.

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Color

Yxy(21.4264, 0.2989, 0.3703)

Conversions

Conversions Part 1

Format	Color
Hex	678772
RGB	103, 135, 114
RGB Percent	40%, 53%, 45%
CMY	0.5960, 0.4706, 0.5530
CMYK	0.24, 0.00, 0.16, 0.47
HSL	141°, 13%, 47%
HSV	141°, 24%, 53%
XYZ	17.2950, 21.4264, 19.1408
YIQ	123.0380, -12.3310, -13.3150

Conversions

Conversions Part 2

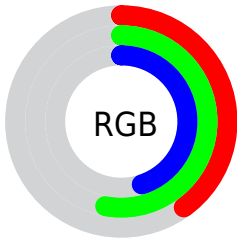
Format	Color
R_{YB}	103, 127, 135
Decimal	6784882
CIE _{Lab}	53.41, -15.86, 7.64
CIE _{LCh}	53, 17.605, 154.280
Yxy	21.4264, 0.2989, 0.3703
Android (android.graphics.Color)	4284974962 (0xFF678772)
YUV	123.0380, -4.4557, -17.5733
Hunter-Lab	46.2887, -14.3114, 7.8850

Details

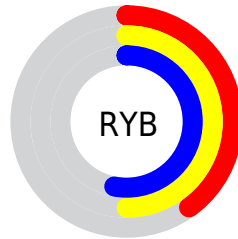
The Yxy color **21.4264, 0.2989, 0.3703** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.3092, 0.3298, 0.2910**, and the grayscale version is **19.8392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6882, 0.3024, 0.3599**, and **7.7026, 0.2926, 0.3881** is the 20% darker color. If you saturate the color by 10%, you get **20.5001, 0.2935, 0.3910**, and if you desaturate by 10%, it is **22.5030, 0.3046, 0.3515**.

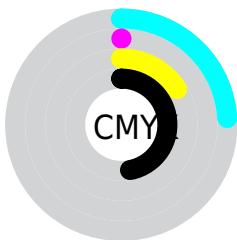
Distribution



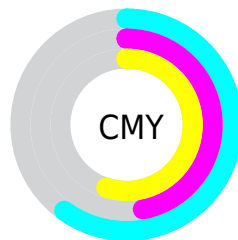
- Red (40%)
- Green (53%)
- Blue (45%)



- Red (40%)
- Yellow (50%)
- Blue (53%)



- Cyan (24%)
- Magenta (0%)
- Yellow (16%)
- Black (47%)



- Cyan (60%)
- Magenta (47%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4264, 0.2989, 0.3703 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 21.4264, 0.2989, 0.3703 by changing the saturation by 10% instead.

■ 21.4264, 0.2989,
0.3703

■ 21.4264, 0.2989,
0.3703

■ 259.5360, 0.3070,
0.3464

■ 13.4360, 0.2963,
0.3777

■ 45.7961, 0.3022,
0.3607

■ 7.7295, 0.2926,
0.3884

■ 62.9443, 0.3033,
0.3573

■ 3.9223, 0.2868,
0.4049

■ 83.9138, 0.3042,
0.3547

■ 1.6302, 0.2763,
0.4341

■ 109.0891, 0.3050,
0.3524

■ 0.3778, 0.0000,
1.0000

■ 138.8546, 0.3056,
0.3506

■ 0.0000, 0.0000,
0.0000

173.5946, 0.3061,

0.3490

213.6936, 0.3066,
0.3476

■ 21.4264, 0.2989,
0.3703

■ 21.4264, 0.2989,
0.3703

■ 20.5001, 0.2935,
0.3910

■ 22.5030, 0.3046,
0.3515

■ 19.7146, 0.2887,
0.4134

■ 23.7335, 0.3105,
0.3347

■ 19.0637, 0.2848,
0.4371

■ 25.1246, 0.3164,
0.3198

■ 18.5393, 0.2821,
0.4617

■ 26.6821, 0.3222,
0.3066

■ 18.1327, 0.2808,
0.4863

■ 28.4112, 0.3277,
0.2951

■ 17.8338, 0.2811,
0.5099

■ 30.3171, 0.3330,
0.2850

■ 17.6307, 0.2831,
0.5316

■ 32.4046, 0.3381,
0.2762

■ 17.5284, 0.2845,
0.5441

■ 34.6784, 0.3428,
0.2685

■ 37.1430, 0.3473,
0.2617

Harmonies

Analogous

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



21.4264, 0.3308, 0.3850



21.4264, 0.2989, 0.3703



21.4264, 0.2717, 0.3427

Triad

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



21.4264, 0.2989, 0.3703



21.4264, 0.2672, 0.2774



21.4264, 0.3733, 0.3406

Complementary

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



21.4264, 0.2989, 0.3703



16.3092, 0.3298, 0.2910

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.



21.4264, 0.3545, 0.3144



21.4264, 0.2989, 0.3703



21.4264, 0.2924, 0.2790

Square

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



21.4264, 0.2989, 0.3703



21.4264, 0.2541, 0.2889



21.4264, 0.3244, 0.2923



21.4264, 0.3747, 0.3655

Rectangle

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



21.4264, 0.2989, 0.3703



21.4264, 0.2595, 0.3221



21.4264, 0.3244, 0.2923



21.4264, 0.3688, 0.3317

Sweetspot

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



21.4273, 0.2989, 0.3703



41.7066, 0.3085, 0.3403



22.6182, 0.3342, 0.3882



9.6341, 0.3082, 0.3411



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.



21.4273, 0.2989, 0.3703



37.5201, 0.2962, 0.3803



21.8154, 0.2839, 0.3391



5.2292, 0.3073, 0.3436



16.1653, 0.2843, 0.5435



0.0573, 0.2614, 0.4610

Inverse Universe

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



16.3092, 0.3298, 0.2910



26.8261, 0.3342, 0.2828



15.9435, 0.3517, 0.3192



4.7364, 0.3185, 0.3148



5.4122, 0.4274, 0.2128



0.0201, 0.3701, 0.1813

Previews

White Background



This preview shows how the Yxy color 21.4264, 0.2989, 0.3703 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 21.4264, 0.2989, 0.3703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

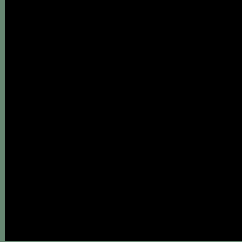
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4264, 0.2989, 0.3703

Background



This preview shows how black text looks on a background with the Yxy color 21.4264, 0.2989, 0.3703.



This preview shows how white text looks on a background with the Yxy color 21.4264, 0.2989, 0.3703.

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

21.4264, 0.2989, 0.3703

Protanopia

21.2911, 0.3393, 0.3598

Deuteranopia

21.2899, 0.3448, 0.3395



Tritanopia

21.3737, 0.2770, 0.3086

Trichromacy



Original Color

21.4264, 0.2989, 0.3703

Protanomaly

21.2505, 0.3239, 0.3647

Deuteranomaly

21.0289, 0.3262, 0.3492

Tritanomaly

21.2326, 0.2844, 0.3289

Monochromacy



Original Color

21.4264, 0.2989, 0.3703

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.2478, 0.3074, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4264, 0.2989, 0.3703 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(103, 135, 114)` looks like.

```
.text, #text, p{  
    color:rgb(103, 135, 114)  
}
```

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(103, 135, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 135, 114) }
```

Border

The CSS property to change the border of an element to Yxy 21.4264, 0.2989, 0.3703 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(103, 135, 114) }
```

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

```
.border{ border-color:rgb(103, 135, 114) }
```

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

Here you see how a box with a 4 pixel rgb(103, 135, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 135, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 135, 114);  
box-shadow:4px 4px 4px 4px rgb(103, 135,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4264, 0.2989, 0.3703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 135, 114) }
```

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

```
.background{ background-color: rgb(103,  
135, 114) }
```

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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