

Converting Colors

$Y_{xy}(21.8254, 0.2742, 0.3591)$

Have a look what the booklet for
Yxy(21.8254, 0.2742, 0.3591)
contains.

Yxy(21.8989, 0.2738, 0.3589)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8989, 0.2738, 0.3589)

Conversions

Conversions Part 1

Format	Color
Hex	568B7C
RGB	86, 139, 124
RGB Percent	34%, 55%, 49%
CMY	0.6628, 0.4549, 0.5138
CMYK	0.38, 0.00, 0.11, 0.45
HSL	163°, 24%, 44%
HSV	163°, 38%, 55%
XYZ	16.7064, 21.8989, 22.4114
YIQ	121.4430, -26.7730, -15.9010

Conversions

Conversions Part 2

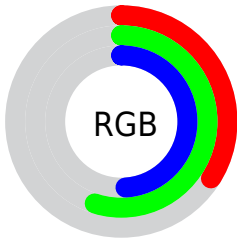
Format	Color
R_{YB}	86, 117, 139
Decimal	5671804
CIE _{Lab}	53.92, -21.30, 2.46
CIE _{LCh}	54, 21.438, 173.398
Yxy	21.8989, 0.2738, 0.3589
Android (android.graphics.Color)	4283861884 (0xFF568B7C)
YUV	121.4430, 1.2606, -31.0835
Hunter-Lab	46.7963, -18.1685, 4.3625

Details

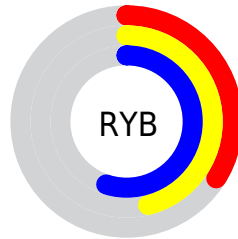
The Yxy color **21.8989, 0.2738, 0.3589** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.0814, 0.3763, 0.3015**, and the grayscale version is **19.2725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6778, 0.2829, 0.3531**, and **8.0278, 0.2589, 0.3732** is the 20% darker color. If you saturate the color by 10%, you get **21.2054, 0.2658, 0.3683**, and if you desaturate by 10%, it is **22.7264, 0.2830, 0.3501**.

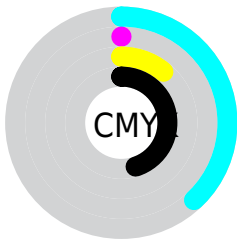
Distribution



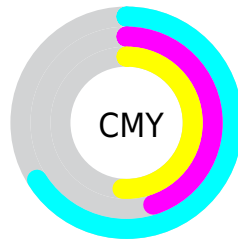
- Red (34%)
- Green (55%)
- Blue (49%)



- Red (34%)
- Yellow (46%)
- Blue (55%)



- Cyan (38%)
- Magenta (0%)
- Yellow (11%)
- Black (45%)





- Cyan (66%)
- Magenta (45%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8989, 0.2738, 0.3589 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 21.8989, 0.2738, 0.3589 by changing the saturation by 10% instead.


 21.8989, 0.2738,
0.3589


 21.8989, 0.2738,
0.3589


262.0179, 0.2958,
0.3419


 13.7826, 0.2673,
0.3640


 46.5788, 0.2825,
0.3521


 7.9696, 0.2582,
0.3713


 63.9113, 0.2855,
0.3498

 4.0755, 0.2445,
0.3823

 85.0846, 0.2880,
0.3478

 1.7159, 0.2218,
0.4011

 110.4832, 0.2901,
0.3462

 0.4339, 0.0000,
0.5911

 140.4914, 0.2918,
0.3449

 0.0000, 0.0000,
0.0000

175.4937, 0.2933,

0.3437

215.8743, 0.2946,
0.3428

■ 21.8989, 0.2738,
0.3589

■ 21.8989, 0.2738,
0.3589

■ 21.2054, 0.2658,
0.3683

■ 22.7264, 0.2830,
0.3501

■ 20.6359, 0.2592,
0.3781

■ 23.6923, 0.2930,
0.3420

■ 20.1828, 0.2543,
0.3883

■ 24.8038, 0.3037,
0.3346

■ 19.8370, 0.2512,
0.3986

■ 26.0670, 0.3148,
0.3278

■ 19.5875, 0.2500,
0.4090

■ 27.4875, 0.3260,
0.3217

■ 19.4112, 0.2503,
0.4194

■ 29.0707, 0.3373,
0.3163

■ 19.3805, 0.2504,
0.4213

■ 30.8217, 0.3483,
0.3116

■ 32.7455, 0.3592,
0.3074

■ 34.8468, 0.3697,
0.3037

Harmonies

Analogous

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



21.8989, 0.3095, 0.3884



21.8989, 0.2738, 0.3589



21.8989, 0.2494, 0.3213

Triad

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



21.8989, 0.2738, 0.3589



21.8989, 0.2758, 0.2669



21.8989, 0.3897, 0.3620

Complementary

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



21.8989, 0.2738, 0.3589



13.0814, 0.3763, 0.3015

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.



21.8989, 0.3801, 0.3308



21.8989, 0.2738, 0.3589



21.8989, 0.3122, 0.2781

Square

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



21.8989, 0.2738, 0.3589



21.8989, 0.2506, 0.2702



21.8989, 0.3510, 0.3009



21.8989, 0.3773, 0.3873

Rectangle

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



21.8989, 0.2738, 0.3589



21.8989, 0.2420, 0.2986



21.8989, 0.3510, 0.3009



21.8989, 0.3890, 0.3519

Sweetspot

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



21.8998, 0.2738, 0.3589



43.7704, 0.3004, 0.3368



21.9058, 0.3233, 0.4350



10.0309, 0.2991, 0.3376



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.



21.8998, 0.2738, 0.3589



38.1020, 0.2666, 0.3672



19.1546, 0.2581, 0.3061



5.6649, 0.3026, 0.3353



17.4928, 0.2503, 0.4209



0.1187, 0.2370, 0.3733

Inverse Universe

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



13.0814, 0.3763, 0.3015



19.9108, 0.3988, 0.2953



14.7975, 0.3942, 0.3505



5.0704, 0.3239, 0.3228



5.0911, 0.5754, 0.2943



0.0361, 0.4706, 0.2366

Previews

White Background



This preview shows how the Yxy color 21.8989, 0.2738, 0.3589 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 21.8989, 0.2738, 0.3589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

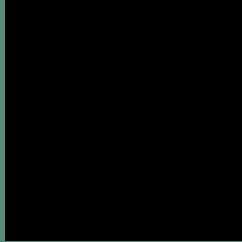
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8989, 0.2738, 0.3589

Background



This preview shows how black text looks on a background with the Yxy color 21.8989, 0.2738, 0.3589.



This preview shows how white text looks on a background with the Yxy color 21.8989, 0.2738, 0.3589.

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

21.8989, 0.2738, 0.3589

Protanopia

21.7329, 0.3299, 0.3469

Deuteranopia

21.6103, 0.3301, 0.3239



Tritanopia

21.9902, 0.2591, 0.3082

Trichromacy



Original Color

21.8989, 0.2738, 0.3589

Protanomaly

21.5716, 0.3071, 0.3516

Deuteranomaly

21.2718, 0.3067, 0.3345

Tritanomaly

21.9291, 0.2641, 0.3250

Monochromacy



Original Color

21.8989, 0.2738, 0.3589

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.0316, 0.2962, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8989, 0.2738, 0.3589 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, 139, 124)` looks like.

```
.text, #text, p{  
    color:rgb(86, 139, 124)  
}
```

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, 139, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 139, 124) }
```

Border

The CSS property to change the border of an element to Yxy 21.8989, 0.2738, 0.3589 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, 139, 124) }
```

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

```
.border{ border-color:rgb(86, 139, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 139, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 139, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 139, 124);  
box-shadow:4px 4px 4px 4px rgb(86, 139,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8989, 0.2738, 0.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 139, 124) }
```

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

```
.background{ background-color: rgb(86, 139,  
124) }
```

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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