

Converting Colors

$Y_{xy}(22.2369, 0.2961, 0.3522)$

Have a look what the booklet for
Yxy(22.2369, 0.2961, 0.3522)
contains.

Yxy(22.2896, 0.2965, 0.3536)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(22.2896, 0.2965, 0.3536)$

Conversions

Conversions Part 1

Format	Color
Hex	6D887B
RGB	109, 136, 123
RGB Percent	43%, 53%, 48%
CMY	0.5724, 0.4667, 0.5176
CMYK	0.20, 0.00, 0.10, 0.47
HSL	151°, 11%, 48%
HSV	151°, 20%, 53%
XYZ	18.6902, 22.2896, 22.0564
YIQ	126.4450, -11.9190, -9.7670

Conversions

Conversions Part 2

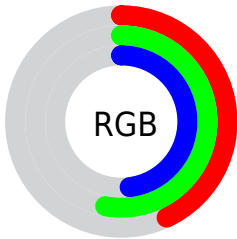
Format	Color
R_{YB}	109, 127, 136
Decimal	7178363
CIE _{Lab}	54.33, -12.40, 3.80
CIE _{LCh}	54, 12.973, 162.948
Yxy	22.2896, 0.2965, 0.3536
Android (android.graphics.Color)	4285368443 (0xFF6D887B)
YUV	126.4450, -1.6984, -15.2993
Hunter-Lab	47.2119, -11.9562, 5.3493

Details

The Yxy color **22.2896, 0.2965, 0.3536** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.5870, 0.3327, 0.3057**, and the grayscale version is **21.0357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0674, 0.3005, 0.3481**, and **8.1421, 0.2905, 0.3645** is the 20% darker color. If you saturate the color by 10%, you get **21.3345, 0.2889, 0.3680**, and if you desaturate by 10%, it is **23.3910, 0.3046, 0.3405**.

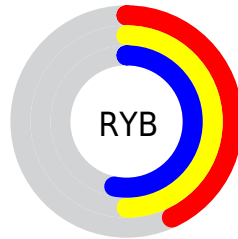
Distribution



Red (43%)

Green (53%)

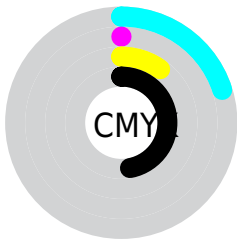
Blue (48%)



Red (43%)

Yellow (50%)

Blue (53%)

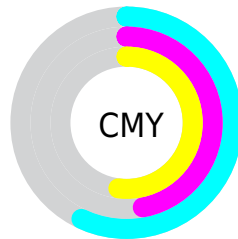


Cyan (20%)

Magenta (0%)

Yellow (10%)

Black (47%)



Cyan (57%)


Magenta (47%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2896, 0.2965, 0.3536 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 22.2896, 0.2965, 0.3536 by changing the saturation by 10% instead.


 22.2896, 0.2965,
0.3536


 22.2896, 0.2965,
0.3536


264.0549, 0.3057,
0.3396


 14.0698, 0.2937,
0.3578


 47.2242, 0.3002,
0.3480

 8.1693, 0.2898,
0.3638


 64.7078, 0.3014,
0.3461

 4.2034, 0.2839,
0.3730

 86.0482, 0.3025,
0.3445

 1.7880, 0.2739,
0.3887

 111.6297, 0.3033,
0.3432

 0.4797, 0.1722,
0.5395

141.8367, 0.3041,
0.3421

 0.0000, 0.0000,
0.0000

177.0536, 0.3047,

0.3411

217.6649, 0.3052,
0.3403

■ 22.2896, 0.2965,
0.3536

■ 22.2896, 0.2965,
0.3536

■ 21.3345, 0.2889,
0.3680

■ 23.3910, 0.3046,
0.3405

■ 20.5167, 0.2819,
0.3836

■ 24.6419, 0.3129,
0.3288

■ 19.8301, 0.2760,
0.4004

■ 26.0488, 0.3212,
0.3183

■ 19.2675, 0.2714,
0.4181

■ 27.6169, 0.3294,
0.3090

■ 18.8206, 0.2683,
0.4363

■ 29.3514, 0.3375,
0.3008

■ 18.4803, 0.2670,
0.4546

■ 31.2571, 0.3453,
0.2936

■ 18.2357, 0.2676,
0.4727

■ 33.3385, 0.3527,
0.2873

■ 18.0570, 0.2696,
0.4902

■ 35.6002, 0.3598,
0.2818

■ 18.0539, 0.2696,
0.4905

■ 38.0463, 0.3666,
0.2770

Harmonies

Analogous

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



22.2896, 0.3195, 0.3673



22.2896, 0.2965, 0.3536



22.2896, 0.2783, 0.3327

Triad

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



22.2896, 0.2965, 0.3536



22.2896, 0.2840, 0.2903



22.2896, 0.3583, 0.3436

Complementary

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



22.2896, 0.2965, 0.3536



17.5870, 0.3327, 0.3057

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.



22.2896, 0.3481, 0.3240



22.2896, 0.2965, 0.3536



22.2896, 0.3046, 0.2940

Square

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



22.2896, 0.2965, 0.3536



22.2896, 0.2713, 0.2964



22.2896, 0.3282, 0.3061



22.2896, 0.3556, 0.3604

Rectangle

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



22.2896, 0.2965, 0.3536



22.2896, 0.2711, 0.3183



22.2896, 0.3282, 0.3061



22.2896, 0.3562, 0.3371

Sweetspot

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



22.2905, 0.2965, 0.3536



42.0076, 0.3076, 0.3361



22.8541, 0.3250, 0.3789



9.7013, 0.3072, 0.3367



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.



22.2905, 0.2965, 0.3536



38.4631, 0.2928, 0.3602



22.5116, 0.2841, 0.3281



5.6486, 0.3051, 0.3397



17.0913, 0.2695, 0.4902



0.1165, 0.2485, 0.4146

Inverse Universe

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



17.5870, 0.3327, 0.3057



28.5335, 0.3385, 0.2998



17.3822, 0.3500, 0.3299



5.0861, 0.3210, 0.3185



5.3234, 0.4976, 0.2515



0.0383, 0.4079, 0.2021

Previews

White Background



This preview shows how the Yxy color 22.2896, 0.2965, 0.3536 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 22.2896, 0.2965, 0.3536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

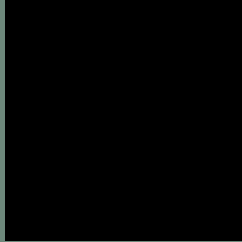
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

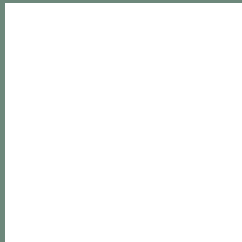
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.2896, 0.2965, 0.3536

Background



This preview shows how black text looks on a background with the Yxy color 22.2896, 0.2965, 0.3536.



This preview shows how white text looks on a background with the Yxy color 22.2896, 0.2965, 0.3536.

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

22.2896, 0.2965, 0.3536

Protanopia

22.1008, 0.3297, 0.3468

Deuteranopia

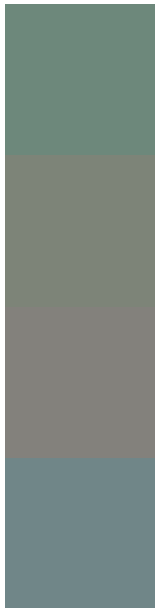
22.0772, 0.3359, 0.3291



Tritanopia

22.2994, 0.2804, 0.3091

Trichromacy



Original Color

22.2896, 0.2965, 0.3536

Protanomaly

22.2186, 0.3174, 0.3509

Deuteranomaly

21.9810, 0.3205, 0.3380

Tritanomaly

22.2725, 0.2870, 0.3252

Monochromacy



Original Color

22.2896, 0.2965, 0.3536

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.4390, 0.3065, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2896, 0.2965, 0.3536 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(109, 136, 123)` looks like.

```
.text, #text, p{  
    color:rgb(109, 136, 123)  
}
```

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(109, 136, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 136, 123) }
```

Border

The CSS property to change the border of an element to Yxy 22.2896, 0.2965, 0.3536 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(109, 136, 123) }
```

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

```
.border{ border-color:rgb(109, 136, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 136, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 136, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 136, 123);  
box-shadow:4px 4px 4px 4px rgb(109, 136,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2896, 0.2965, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 136, 123) }
```

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

```
.background{ background-color: rgb(109,  
136, 123) }
```

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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