

Converting Colors

$Y_{xy}(22.7280, 0.2602, 0.3666)$

Have a look what the booklet for
Yxy(22.7280, 0.2602, 0.3666)
contains.

Yxy(22.6818, 0.2597, 0.3654)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.6818, 0.2597, 0.3654)

Conversions

Conversions Part 1

Format	Color
Hex	44907E
RGB	68, 144, 126
RGB Percent	27%, 56%, 49%
CMY	0.7336, 0.4353, 0.5058
CMYK	0.53, 0.00, 0.12, 0.44
HSL	166°, 36%, 42%
HSV	166°, 53%, 56%
XYZ	16.1206, 22.6818, 23.2715
YIQ	119.2240, -39.5180, -21.7100

Conversions

Conversions Part 2

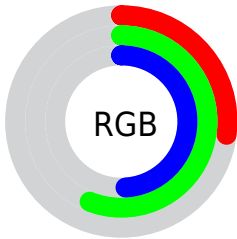
Format	Color
RYB	68, 111, 144
Decimal	4493438
CIELab	54.74, -28.16, 2.39
CIElCh	55, 28.259, 175.143
Yxy	22.6818, 0.2597, 0.3654
Android (android.graphics.Color)	4282683518 (0xFF44907E)
YUV	119.2240, 3.3406, -44.9234
Hunter-Lab	47.6254, -22.9245, 4.3665

Details

The Yxy color **22.6818, 0.2597, 0.3654** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.7282, 0.4231, 0.2978**, and the grayscale version is **18.5172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7804, 0.2711, 0.3563**, and **8.3645, 0.2391, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **22.1410, 0.2535, 0.3737**, and if you desaturate by 10%, it is **23.3546, 0.2675, 0.3575**.

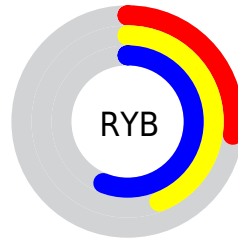
Distribution



Red (27%)

Green (56%)

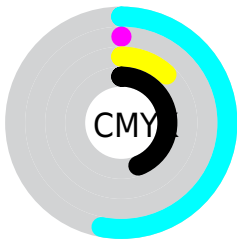
Blue (49%)



Red (27%)

Yellow (44%)

Blue (56%)

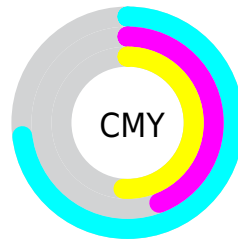


Cyan (53%)

Magenta (0%)

Yellow (12%)

Black (44%)



Cyan (73%)


Magenta (44%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6818, 0.2597, 0.3654 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 22.6818, 0.2597, 0.3654 by changing the saturation by 10% instead.


 22.6818, 0.2597,
0.3654


 22.6818, 0.2597,
0.3654


266.0864, 0.2894,
0.3448


 14.3587, 0.2510,
0.3715


 47.8703, 0.2714,
0.3572


 8.3706, 0.2390,
0.3802


 65.5045, 0.2755,
0.3544


 4.3330, 0.2212,
0.3931

 87.0113, 0.2788,
0.3521

 1.8615, 0.1924,
0.4146

 112.7749, 0.2816,
0.3501

 0.5251, 0.0000,
0.5649

 143.1799, 0.2840,
0.3485

 0.0000, 0.0000,
0.0000

178.6105, 0.2861,

0.3471

219.4512, 0.2878,
0.3459

■ 22.6818, 0.2597,
0.3654

■ 22.6818, 0.2597,
0.3654

■ 22.1410, 0.2535,
0.3737

■ 23.3546, 0.2675,
0.3575

■ 21.7199, 0.2491,
0.3821

■ 24.1651, 0.2766,
0.3500

■ 21.4087, 0.2465,
0.3907

■ 25.1222, 0.2868,
0.3430

■ 21.1943, 0.2458,
0.3992

■ 26.2331, 0.2978,
0.3365

■ 21.0736, 0.2459,
0.4054

■ 27.5045, 0.3094,
0.3306

■ 28.9427, 0.3213,
0.3252

■ 30.5538, 0.3333,
0.3204

■ 32.3434, 0.3452,
0.3162

■ 34.3170, 0.3569,
0.3125

Harmonies

Analogous

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



22.6818, 0.3047, 0.4064



22.6818, 0.2597, 0.3654



22.6818, 0.2302, 0.3151

Triad

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



22.6818, 0.2597, 0.3654



22.6818, 0.2671, 0.2503



22.6818, 0.4128, 0.3720

Complementary

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



22.6818, 0.2597, 0.3654



10.7282, 0.4231, 0.2978

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.



22.6818, 0.4023, 0.3324



22.6818, 0.2597, 0.3654



22.6818, 0.3145, 0.2656

Square

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



22.6818, 0.2597, 0.3654



22.6818, 0.2345, 0.2526



22.6818, 0.3651, 0.2947



22.6818, 0.3942, 0.4051

Rectangle

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



22.6818, 0.2597, 0.3654



22.6818, 0.2221, 0.2862



22.6818, 0.3651, 0.2947



22.6818, 0.4127, 0.3591

Sweetspot

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



22.6827, 0.2597, 0.3654



45.5444, 0.2939, 0.3387



22.3900, 0.3226, 0.4833



10.3618, 0.2919, 0.3399



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.6827, 0.2597, 0.3654



38.9244, 0.2527, 0.3749



17.9059, 0.2389, 0.2901



6.0948, 0.3020, 0.3343



18.3527, 0.2458, 0.4049



0.1789, 0.2347, 0.3650

Inverse Universe

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



10.7282, 0.4231, 0.2978



15.5548, 0.4629, 0.2933



13.1564, 0.4398, 0.3628



5.4437, 0.3247, 0.3238



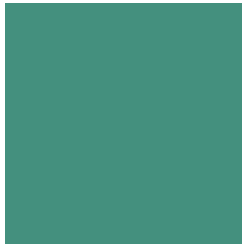
5.2675, 0.5912, 0.3030



0.0533, 0.4899, 0.2473

Previews

White Background



This preview shows how the Yxy color 22.6818, 0.2597, 0.3654 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 22.6818, 0.2597, 0.3654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

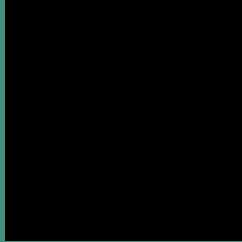
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6818, 0.2597, 0.3654

Background



This preview shows how black text looks on a background with the Yxy color 22.6818, 0.2597, 0.3654.

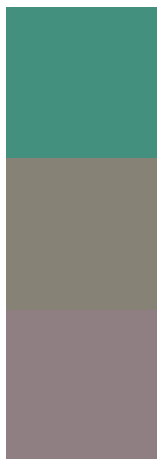


This preview shows how white text looks on a background with the Yxy color 22.6818, 0.2597, 0.3654.

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

22.6818, 0.2597, 0.3654

Protanopia

22.4242, 0.3319, 0.3503

Deuteranopia

22.3731, 0.3287, 0.3223



Tritanopia

22.5597, 0.2446, 0.3061

Trichromacy



Original Color

22.6818, 0.2597, 0.3654

Protanomaly

22.0879, 0.3005, 0.3555

Deuteranomaly

22.0730, 0.2979, 0.3364

Tritanomaly

22.4494, 0.2494, 0.3249

Monochromacy



Original Color

22.6818, 0.2597, 0.3654

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.5528, 0.2875, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6818, 0.2597, 0.3654 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(68, 144, 126)` looks like.

```
.text, #text, p{  
    color:rgb(68, 144, 126)  
}
```

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(68, 144, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 144, 126) }
```

Border

The CSS property to change the border of an element to Yxy 22.6818, 0.2597, 0.3654 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(68, 144, 126) }
```

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

```
.border{ border-color:rgb(68, 144, 126) }
```

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

Here you see how a box with a 4 pixel rgb(68, 144, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 144, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 144, 126);  
box-shadow:4px 4px 4px 4px rgb(68, 144,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6818, 0.2597, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 144, 126) }
```

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

```
.background{ background-color: rgb(68, 144,  
126) }
```

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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