

Converting Colors

$Y_{xy}(22.5592, 0.2778, 0.3755)$

Have a look what the booklet for
Yxy(22.5592, 0.2778, 0.3755)
contains.

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Color

$Y_{xy}(22.6092, 0.2778, 0.3750)$

Conversions

Conversions Part 1

Format	Color
Hex	558E77
RGB	85, 142, 119
RGB Percent	33%, 56%, 47%
CMY	0.6667, 0.4431, 0.5333
CMYK	0.40, 0.00, 0.16, 0.44
HSL	156°, 25%, 45%
HSV	156°, 40%, 56%
XYZ	16.7489, 22.6092, 20.9331
YIQ	122.3350, -26.5890, -19.2370

Conversions

Conversions Part 2

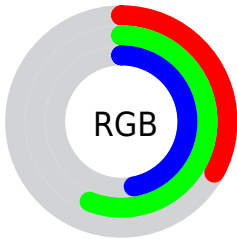
Format	Color
RYB	85, 121, 142
Decimal	5607031
CIELab	54.67, -24.28, 6.41
CIELCh	55, 25.114, 165.213
Yxy	22.6092, 0.2778, 0.3750
Android (android.graphics.Color)	4283797111 (0xFF558E77)
YUV	122.3350, -1.6442, -32.7428
Hunter-Lab	47.5491, -20.3354, 7.1825

Details

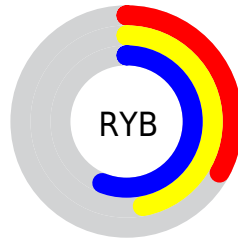
The Yxy color **22.6092, 0.2778, 0.3750** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.3310, 0.3696, 0.2879**, and the grayscale version is **19.5897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7385, 0.2857, 0.3646**, and **8.2772, 0.2627, 0.3926** is the 20% darker color. If you saturate the color by 10%, you get **21.8773, 0.2712, 0.3889**, and if you desaturate by 10%, it is **23.4847, 0.2855, 0.3620**.

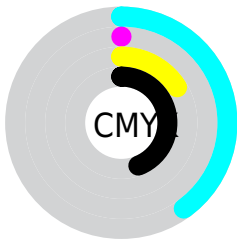
Distribution



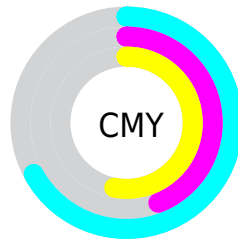
- Red (33%)
- Green (56%)
- Blue (47%)



- Red (33%)
- Yellow (47%)
- Blue (56%)



- Cyan (40%)
- Magenta (0%)
- Yellow (16%)
- Black (44%)




- Cyan (67%)
- Magenta (44%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6092, 0.2778, 0.3750 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 22.6092, 0.2778, 0.3750 by changing the saturation by 10% instead.


 22.6092, 0.2778,
0.3750


 22.6092, 0.2778,
0.3750


265.7114, 0.2977,
0.3486


 14.3052, 0.2718,
0.3831


 47.7508, 0.2857,
0.3644

 8.3333, 0.2634,
0.3947


 65.3573, 0.2885,
0.3607


 4.3089, 0.2507,
0.4125

 86.8333, 0.2907,
0.3577

 1.8478, 0.2292,
0.4433

 112.5633, 0.2926,
0.3553

 0.5167, 0.0000,
0.8186

 142.9318, 0.2941,
0.3532

 0.0000, 0.0000,
0.0000

178.3230, 0.2955,

0.3514

219.1214, 0.2966,
0.3499

■ 22.6092, 0.2778,
0.3750

■ 22.6092, 0.2778,
0.3750

■ 21.8773, 0.2712,
0.3889

■ 23.4847, 0.2855,
0.3620

■ 21.2779, 0.2659,
0.4036

■ 24.5084, 0.2941,
0.3500

■ 20.8031, 0.2623,
0.4187


■ 25.6883, 0.3032,
0.3390

■ 20.4425, 0.2606,
0.4340

■ 27.0309, 0.3126,
0.3291

■ 20.1843, 0.2607,
0.4493


■ 28.5422, 0.3221,
0.3203

 19.9979, 0.2622,
0.4641

 30.2282, 0.3315,
0.3124

 32.0943, 0.3408,
0.3055

 34.1458, 0.3498,
0.2994

 36.3879, 0.3585,
0.2940

Harmonies

Analogous

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



22.6092, 0.3207, 0.4043



22.6092, 0.2778, 0.3750



22.6092, 0.2457, 0.3315

Triad

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



22.6092, 0.2778, 0.3750



22.6092, 0.2606, 0.2571



22.6092, 0.4016, 0.3567

Complementary

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



22.6092, 0.2778, 0.3750



13.3310, 0.3696, 0.2879

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.



22.6092, 0.3836, 0.3208



22.6092, 0.2778, 0.3750



22.6092, 0.2996, 0.2658

Square

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



22.6092, 0.2778, 0.3750



22.6092, 0.2365, 0.2653



22.6092, 0.3452, 0.2885



22.6092, 0.3936, 0.3890

Rectangle

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



22.6092, 0.2778, 0.3750



22.6092, 0.2339, 0.3034



22.6092, 0.3452, 0.2885



22.6092, 0.3984, 0.3447

Sweetspot

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



22.6101, 0.2778, 0.3750



44.8349, 0.3012, 0.3412



23.2383, 0.3320, 0.4386



9.9615, 0.3002, 0.3424



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.



22.6101, 0.2778, 0.3750



38.7125, 0.2719, 0.3873



21.8477, 0.2577, 0.3197



6.0800, 0.3041, 0.3380



17.9580, 0.2621, 0.4634



0.1761, 0.2436, 0.3971

Inverse Universe

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



13.3310, 0.3696, 0.2879



20.0505, 0.3884, 0.2791



13.6773, 0.4059, 0.3379



5.4579, 0.3222, 0.3202



5.4348, 0.5302, 0.2694



0.0561, 0.4295, 0.2139

Previews

White Background



This preview shows how the Yxy color 22.6092, 0.2778, 0.3750 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 22.6092, 0.2778, 0.3750 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 22.6092, 0.2778, 0.3750

Background



This preview shows how black text looks on a background with the Yxy color 22.6092, 0.2778, 0.3750.



This preview shows how white text looks on a background with the Yxy color 22.6092, 0.2778, 0.3750.

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

22.6092, 0.2778, 0.3750

Protanopia

22.4759, 0.3400, 0.3591

Deuteranopia

22.4378, 0.3417, 0.3359



Tritanopia

22.6222, 0.2580, 0.3084

Trichromacy



Original Color

22.6092, 0.2778, 0.3750

Protanomaly

22.1396, 0.3144, 0.3646

Deuteranomaly

22.1681, 0.3152, 0.3491

Tritanomaly

22.4241, 0.2646, 0.3308

Monochromacy



Original Color

22.6092, 0.2778, 0.3750

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.3322, 0.2983, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6092, 0.2778, 0.3750 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(85, 142, 119)` looks like.

```
.text, #text, p{  
    color:rgb(85, 142, 119)  
}
```

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(85, 142, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 142, 119) }
```

Border

The CSS property to change the border of an element to Yxy 22.6092, 0.2778, 0.3750 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(85, 142, 119) }
```

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

```
.border{ border-color:rgb(85, 142, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 142, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 142, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 142, 119);  
box-shadow:4px 4px 4px 4px rgb(85, 142,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6092, 0.2778, 0.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 142, 119) }
```

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

```
.background{ background-color: rgb(85, 142,  
119) }
```

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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