

Converting Colors

$Yxy(22.4242, 0.2660, 0.3849)$

Have a look what the booklet for
Yxy(22.4242, 0.2660, 0.3849)
contains.

Yxy(22.4242, 0.2660, 0.3849)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.4242, 0.2660, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	439075
RGB	67, 144, 117
RGB Percent	26%, 56%, 46%
CMY	0.7374, 0.4353, 0.5412
CMYK	0.53, 0.00, 0.19, 0.44
HSL	159°, 37%, 41%
HSV	159°, 53%, 56%
XYZ	15.4971, 22.4242, 20.3385
YIQ	117.8990, -37.2250, -24.7210

Conversions

Conversions Part 2

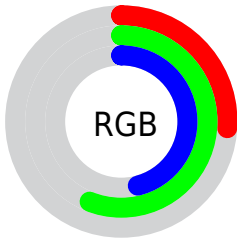
Format	Color
RYB	67, 114, 144
Decimal	4427893
CIELab	54.47, -30.61, 7.18
CIELCh	54, 31.445, 166.801
Yxy	22.4242, 0.2660, 0.3849
Android (android.graphics.Color)	4282617973 (0xFF439075)
YUV	117.8990, -0.4432, -44.6384
Hunter-Lab	47.3542, -24.4540, 7.6830

Details

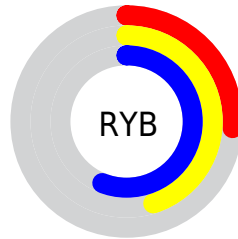
The Yxy color **22.4242, 0.2660, 0.3849** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.7492, 0.4073, 0.2820**, and the grayscale version is **18.0919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3177, 0.2767, 0.3715**, and **8.2584, 0.2469, 0.4087** is the 20% darker color. If you saturate the color by 10%, you get **21.8625, 0.2608, 0.3976**, and if you desaturate by 10%, it is **23.1207, 0.2727, 0.3727**.

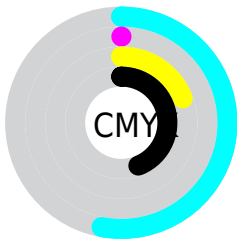
Distribution



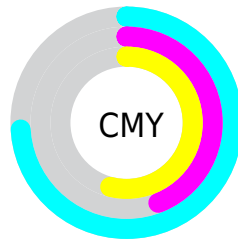
- Red (26%)
- Green (56%)
- Blue (46%)



- Red (26%)
- Yellow (45%)
- Blue (56%)



- Cyan (53%)
- Magenta (0%)
- Yellow (19%)
- Black (44%)



- Cyan (74%)
- Magenta (44%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4242, 0.2660, 0.3849 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 22.4242, 0.2660, 0.3849 by changing the saturation by 10% instead.


 22.4242, 0.2660,
0.3849


 22.4242, 0.2660,
0.3849


264.7536, 0.2926,
0.3526


 14.1689, 0.2580,
0.3949


 47.4461, 0.2766,
0.3719


 8.2383, 0.2467,
0.4092


 64.9815, 0.2803,
0.3674

 4.2478, 0.2298,
0.4312

 86.3791, 0.2833,
0.3638

 1.8131, 0.2010,
0.4698

 112.0233, 0.2858,
0.3608

 0.4953, 0.0000,
0.9299

 142.2985, 0.2879,
0.3582

 0.0000, 0.0000,
0.0000

177.5890, 0.2897,

0.3561

218.2792, 0.2912,
0.3542

■ 22.4242, 0.2660,
0.3849

■ 22.4242, 0.2660,
0.3849

■ 21.8625, 0.2608,
0.3976

■ 23.1207, 0.2727,
0.3727

■ 21.4232, 0.2574,
0.4107

■ 23.9579, 0.2806,
0.3612

■ 21.0961, 0.2559,
0.4239

■ 24.9447, 0.2895,
0.3506

■ 20.8682, 0.2563,
0.4370

■ 26.0884, 0.2991,
0.3408

■ 20.7478, 0.2571,
0.4455

■ 27.3959, 0.3092,
0.3319

■ 28.8735, 0.3194,
0.3239

■ 30.5274, 0.3297,
0.3168

■ 32.3633, 0.3398,
0.3105

■ 34.3868, 0.3498,
0.3049

Harmonies

Analogous

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



22.4242, 0.3186, 0.4241



22.4242, 0.2660, 0.3849



22.4242, 0.2281, 0.3282

Triad

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



22.4242, 0.2660, 0.3849



22.4242, 0.2500, 0.2408



22.4242, 0.4246, 0.3638

Complementary

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



22.4242, 0.2660, 0.3849



10.7492, 0.4073, 0.2820

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.



22.4242, 0.4039, 0.3201



22.4242, 0.2660, 0.3849



22.4242, 0.2987, 0.2526

Square

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



22.4242, 0.2660, 0.3849



22.4242, 0.2200, 0.2487



22.4242, 0.3560, 0.2808



22.4242, 0.4119, 0.4040

Rectangle

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



22.4242, 0.2660, 0.3849



22.4242, 0.2149, 0.2932



22.4242, 0.3560, 0.2808



22.4242, 0.4214, 0.3492

Sweetspot

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



22.4251, 0.2660, 0.3849



45.4085, 0.2963, 0.3435



22.7981, 0.3318, 0.4809



10.3273, 0.2946, 0.3452



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.



22.4251, 0.2660, 0.3849



38.3998, 0.2601, 0.4000



20.1834, 0.2419, 0.3083



6.0846, 0.3034, 0.3368



18.0704, 0.2569, 0.4448



0.1770, 0.2406, 0.3862

Inverse Universe

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



10.7492, 0.4073, 0.2820



15.5736, 0.4416, 0.2746



11.6770, 0.4517, 0.3473



5.4534, 0.3230, 0.3213



5.3718, 0.5511, 0.2809



0.0552, 0.4461, 0.2231

Previews

White Background



This preview shows how the Yxy color 22.4242, 0.2660, 0.3849 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 22.4242, 0.2660, 0.3849 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 22.4242, 0.2660, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 22.4242, 0.2660, 0.3849.

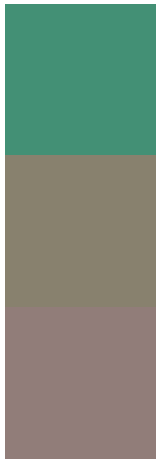


This preview shows how white text looks on a background with the Yxy color 22.4242, 0.2660, 0.3849.

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

22.4242, 0.2660, 0.3849

Protanopia

22.0605, 0.3425, 0.3629

Deuteranopia

22.0674, 0.3419, 0.3359



Tritanopia

22.2774, 0.2456, 0.3060

Trichromacy



Original Color

22.4242, 0.2660, 0.3849

Protanomaly

21.6220, 0.3086, 0.3694

Deuteranomaly

21.6405, 0.3083, 0.3515

Tritanomaly

22.3303, 0.2523, 0.3328

Monochromacy



Original Color

22.4242, 0.2660, 0.3849

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.1394, 0.2903, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4242, 0.2660, 0.3849 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(67, 144, 117)` looks like.

```
.text, #text, p{  
    color:rgb(67, 144, 117)  
}
```

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(67, 144, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 144, 117) }
```

Border

The CSS property to change the border of an element to Yxy 22.4242, 0.2660, 0.3849 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(67, 144, 117) }
```

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

```
.border{ border-color:rgb(67, 144, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 144, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 144, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 144, 117);  
box-shadow:4px 4px 4px 4px rgb(67, 144,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4242, 0.2660, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 144, 117) }
```

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

```
.background{ background-color: rgb(67, 144,  
117) }
```

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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