

Converting Colors

$Y_{xy}(22.2203, 0.3121, 0.4066)$

Have a look what the booklet for
Yxy(22.2203, 0.3121, 0.4066)
contains.

Yxy(22.2689, 0.3123, 0.4060)	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

Yxy(22.2689, 0.3123, 0.4060)

Conversions

Conversions Part 1

Format	Color
Hex	678B64
RGB	103, 139, 100
RGB Percent	40%, 55%, 39%
CMY	0.5959, 0.4549, 0.6079
CMYK	0.26, 0.00, 0.28, 0.45
HSL	115°, 16%, 47%
HSV	115°, 28%, 55%
XYZ	17.1295, 22.2689, 15.4511
YIQ	123.7900, -8.9370, -19.7610

Conversions

Conversions Part 2

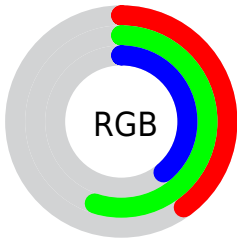
Format	Color
R_{YB}	100, 139, 136
Decimal	6785892
CIE _{Lab}	54.31, -20.64, 16.91
CIE _{LCh}	54, 26.680, 140.676
Yxy	22.2689, 0.3123, 0.4060
Android (android.graphics.Color)	4284975972 (0xFF678B64)
YUV	123.7900, -11.7285, -18.2328
Hunter-Lab	47.1899, -17.7886, 13.6200

Details

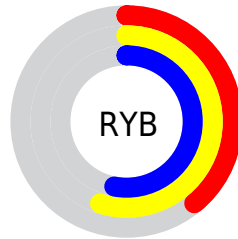
The Yxy color **22.2689, 0.3123, 0.4060** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.2082, 0.3118, 0.2610**, and the grayscale version is **20.1272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3429, 0.3131, 0.3883**, and **8.2140, 0.3104, 0.4404** is the 20% darker color. If you saturate the color by 10%, you get **21.3223, 0.3117, 0.4386**, and if you desaturate by 10%, it is **23.3795, 0.3126, 0.3759**.

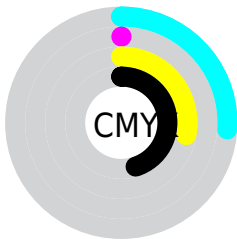
Distribution



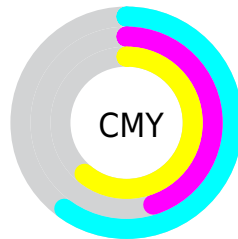
- Red (40%)
- Green (55%)
- Blue (39%)



- Red (39%)
- Yellow (55%)
- Blue (53%)



- Cyan (26%)
- Magenta (0%)
- Yellow (28%)
- Black (45%)





- Cyan (60%)
- Magenta (45%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2689, 0.3123, 0.4060 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 22.2689, 0.3123, 0.4060 by changing the saturation by 10% instead.


 22.2689, 0.3123,
0.4060

 22.2689, 0.3123,
0.4060


263.9473, 0.3134,
0.3612


 14.0546, 0.3115,
0.4200


 47.1900, 0.3130,
0.3878

 8.1587, 0.3099,
0.4401


 64.6657, 0.3132,
0.3816

 4.1966, 0.3065,
0.4712

 85.9972, 0.3133,
0.3766

 1.7842, 0.3032,
0.5342

 111.5691, 0.3134,
0.3724

 0.4773, 0.0000,
1.0000

141.7656, 0.3134,
0.3689

 0.0000, 0.0000,
0.0000

176.9712, 0.3134,

0.3660

217.5703, 0.3134,
0.3634

■ 22.2689, 0.3123,
0.4060

■ 22.2689, 0.3123,
0.4060

■ 21.3223, 0.3117,
0.4386

■ 23.3795, 0.3126,
0.3759

■ 20.5292, 0.3108,
0.4725

■ 24.6584, 0.3127,
0.3487

■ 19.8824, 0.3095,
0.5062

■ 26.1132, 0.3127,
0.3246

■ 19.3730, 0.3079,
0.5374

■ 27.7501, 0.3125,
0.3034

■ 18.9908, 0.3060,
0.5638

■ 29.5753, 0.3123,
0.2850

 18.7247, 0.3041,
0.5834

 31.5944, 0.3120,
0.2691

 18.5579, 0.3024,
0.5960

 33.8129, 0.3116,
0.2553

 18.5340, 0.3023,
0.5981

 36.2361, 0.3113,
0.2434

 38.8691, 0.3109,
0.2330

Harmonies

Analogous

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



22.2689, 0.3588, 0.4150



22.2689, 0.3123, 0.4060



22.2689, 0.2680, 0.3704

Triad

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



22.2689, 0.3123, 0.4060



22.2689, 0.2350, 0.2581



22.2689, 0.3939, 0.3269

Complementary

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



22.2689, 0.3123, 0.4060



16.2082, 0.3118, 0.2610

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.



22.2689, 0.3558, 0.2916



22.2689, 0.3123, 0.4060



22.2689, 0.2637, 0.2531

Square

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



22.2689, 0.3123, 0.4060



22.2689, 0.2257, 0.2821



22.2689, 0.3073, 0.2653



22.2689, 0.4082, 0.3649

Rectangle

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



22.2689, 0.3123, 0.4060



22.2689, 0.2454, 0.3387



22.2689, 0.3073, 0.2653



22.2689, 0.3834, 0.3145

Sweetspot

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



22.2698, 0.3123, 0.4060



44.1335, 0.3127, 0.3490



23.9454, 0.3549, 0.3913



10.0927, 0.3127, 0.3525



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.



22.2698, 0.3123, 0.4060



38.7189, 0.3119, 0.4275



22.4398, 0.2938, 0.3734



5.6257, 0.3127, 0.3515



16.7325, 0.3025, 0.5980



0.1133, 0.3138, 0.5891

Inverse Universe

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



16.2082, 0.3118, 0.2610



25.9087, 0.3113, 0.2447



16.0261, 0.3378, 0.2885



5.1095, 0.3126, 0.3074



5.8389, 0.3019, 0.1437



0.0415, 0.3120, 0.1492

Previews

White Background



This preview shows how the Yxy color 22.2689, 0.3123, 0.4060 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 22.2689, 0.3123, 0.4060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

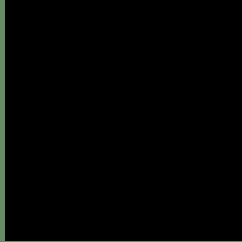
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2689, 0.3123, 0.4060

Background



This preview shows how black text looks on a background with the Yxy color 22.2689, 0.3123, 0.4060.



This preview shows how white text looks on a background with the Yxy color 22.2689, 0.3123, 0.4060.

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

22.2689, 0.3123, 0.4060

Protanopia

22.0340, 0.3623, 0.3874

Deuteranopia

21.9739, 0.3719, 0.3645



Tritanopia

22.1682, 0.2784, 0.3089

Trichromacy



Original Color

22.2689, 0.3123, 0.4060

Protanomaly

22.0737, 0.3433, 0.3957

Deuteranomaly

21.7282, 0.3491, 0.3778

Tritanomaly

22.0746, 0.2906, 0.3422

Monochromacy



Original Color

22.2689, 0.3123, 0.4060

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.6513, 0.3126, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2689, 0.3123, 0.4060 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(103, 139, 100)` looks like.

```
.text, #text, p{  
    color:rgb(103, 139, 100)  
}
```

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(103, 139, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 139, 100) }
```

Border

The CSS property to change the border of an element to Yxy 22.2689, 0.3123, 0.4060 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(103, 139, 100) }
```

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

```
.border{ border-color:rgb(103, 139, 100) }
```

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

Here you see how a box with a 4 pixel rgb(103, 139, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 139, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 139, 100);  
box-shadow:4px 4px 4px 4px rgb(103, 139,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2689, 0.3123, 0.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 139, 100) }
```

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

```
.background{ background-color: rgb(103,  
139, 100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor