

Converting Colors

$Y_{xy}(19.3878, 0.2752, 0.3917)$

Have a look what the booklet for
Yxy(19.3878, 0.2752, 0.3917)
contains.

Yxy(19.3722, 0.2755, 0.3925)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.3722, 0.2755, 0.3925)

Conversions

Conversions Part 1

Format	Color
Hex	468669
RGB	70, 134, 105
RGB Percent	27%, 53%, 41%
CMY	0.7257, 0.4745, 0.5882
CMYK	0.48, 0.00, 0.22, 0.47
HSL	153°, 31%, 40%
HSV	153°, 48%, 53%
XYZ	13.5976, 19.3722, 16.3862
YIQ	111.5580, -28.8350, -22.5870

Conversions

Conversions Part 2

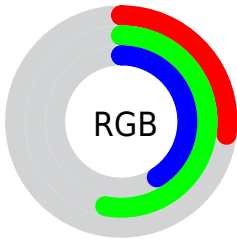
Format	Color
RYB	70, 111, 134
Decimal	4621929
CIELab	51.12, -27.81, 9.34
CIElCh	51, 29.333, 161.430
Yxy	19.3722, 0.2755, 0.3925
Android (android.graphics.Color)	4282812009 (0xFF468669)
YUV	111.5580, -3.2331, -36.4464
Hunter-Lab	44.0139, -21.8788, 8.7363

Details

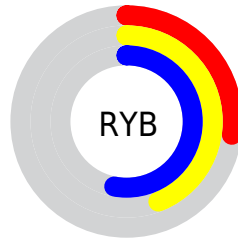
The Yxy color **19.3722, 0.2755, 0.3925** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.3428, 0.3790, 0.2747**, and the grayscale version is **16.0797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5043, 0.2846, 0.3779**, and **6.7395, 0.2581, 0.4228** is the 20% darker color. If you saturate the color by 10%, you get **18.8091, 0.2703, 0.4088**, and if you desaturate by 10%, it is **20.0570, 0.2819, 0.3771**.

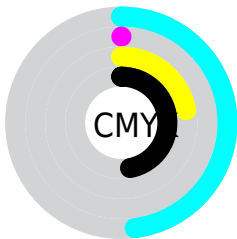
Distribution



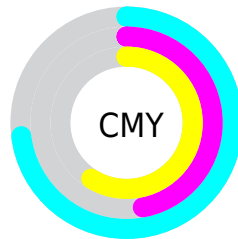
- Red (27%)
- Green (53%)
- Blue (41%)



- Red (27%)
- Yellow (44%)
- Blue (53%)



- Cyan (48%)
- Magenta (0%)
- Yellow (22%)
- Black (47%)




- Cyan (73%)
- Magenta (47%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3722, 0.2755, 0.3925 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 19.3722, 0.2755, 0.3925 by changing the saturation by 10% instead.


 19.3722, 0.2755,
0.3925


 19.3722, 0.2755,
0.3925


248.4959, 0.2974,
0.3548


 11.9395, 0.2685,
0.4047


 42.3621, 0.2845,
0.3770


 6.7025, 0.2583,
0.4227


 58.6881, 0.2875,
0.3718


 3.2768, 0.2421,
0.4516

 78.7473, 0.2900,
0.3676

 1.2779, 0.2000,
0.5202

 102.9242, 0.2920,
0.3641

 0.1240, 0.0000,
1.0000

 131.6031, 0.2937,
0.3612

 0.0000, 0.0000,
0.0000

165.1684, 0.2951,

0.3588

204.0045, 0.2963,
0.3567

■ 19.3722, 0.2755,
0.3925

■ 19.3722, 0.2755,
0.3925

■ 18.8091, 0.2703,
0.4088

■ 20.0570, 0.2819,
0.3771

■ 18.3576, 0.2667,
0.4258

■ 20.8681, 0.2893,
0.3627

■ 18.0099, 0.2648,
0.4430


■ 21.8128, 0.2974,
0.3495


■ 17.7561, 0.2648,
0.4601


■ 22.8969, 0.3059,
0.3375

■ 17.5753, 0.2664,
0.4767

■ 24.1262, 0.3146,
0.3267

 17.5383, 0.2668,
0.4804

 25.5059, 0.3234,
0.3171

 27.0410, 0.3320,
0.3086

 28.7363, 0.3404,
0.3011

 30.5965, 0.3486,
0.2945

Harmonies

Analogous

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



19.3722, 0.3284, 0.4255



19.3722, 0.2755, 0.3925



19.3722, 0.2349, 0.3383

Triad

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



19.3722, 0.2755, 0.3925



19.3722, 0.2444, 0.2423



19.3722, 0.4211, 0.3556

Complementary

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



19.3722, 0.2755, 0.3925



10.3428, 0.3790, 0.2747

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.



19.3722, 0.3952, 0.3129



19.3722, 0.2755, 0.3925



19.3722, 0.2894, 0.2506

Square

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



19.3722, 0.2755, 0.3925



19.3722, 0.2187, 0.2539



19.3722, 0.3452, 0.2758



19.3722, 0.4144, 0.3964

Rectangle

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



19.3722, 0.2755, 0.3925



19.3722, 0.2192, 0.3026



19.3722, 0.3452, 0.2758



19.3722, 0.4160, 0.3412

Sweetspot

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



19.3730, 0.2755, 0.3925



39.0651, 0.3004, 0.3452



20.1949, 0.3382, 0.4594



8.7237, 0.2988, 0.3474



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



19.3730, 0.2755, 0.3925



33.0944, 0.2701, 0.4096



19.4902, 0.2507, 0.3244



5.2442, 0.3048, 0.3390



16.4355, 0.2667, 0.4799



0.0584, 0.2466, 0.4079

Inverse Universe

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



10.3428, 0.3790, 0.2747



15.2425, 0.4015, 0.2643



10.1560, 0.4353, 0.3334



4.7212, 0.3214, 0.3192



5.0645, 0.5092, 0.2579



0.0190, 0.4155, 0.2063

Previews

White Background



This preview shows how the Yxy color 19.3722, 0.2755, 0.3925 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 19.3722, 0.2755, 0.3925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

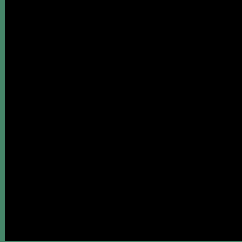
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3722, 0.2755, 0.3925

Background



This preview shows how black text looks on a background with the Yxy color 19.3722, 0.2755, 0.3925.



This preview shows how white text looks on a background with the Yxy color 19.3722, 0.2755, 0.3925.

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

19.3722, 0.2755, 0.3925

Protanopia

19.1648, 0.3479, 0.3706

Deuteranopia

19.1451, 0.3488, 0.3436



Tritanopia

19.2562, 0.2519, 0.3068

Trichromacy



Original Color

19.3722, 0.2755, 0.3925

Protanomaly

18.9871, 0.3175, 0.3797

Deuteranomaly

18.7593, 0.3174, 0.3587

Tritanomaly

19.3014, 0.2608, 0.3372

Monochromacy



Original Color

19.3722, 0.2755, 0.3925

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.0785, 0.2971, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3722, 0.2755, 0.3925 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(70, 134, 105)` looks like.

```
.text, #text, p{  
  color:rgb(70, 134, 105)  
}
```

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(70, 134, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 134, 105) }
```

Border

The CSS property to change the border of an element to Yxy 19.3722, 0.2755, 0.3925 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(70, 134, 105) }
```

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

```
.border{ border-color:rgb(70, 134, 105) }
```

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

Here you see how a box with a 4 pixel rgb(70, 134, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 134, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 134, 105);  
box-shadow:4px 4px 4px 4px rgb(70, 134,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3722, 0.2755, 0.3925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 134, 105) }
```

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

```
.background{ background-color: rgb(70, 134,  
105) }
```

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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