

Converting Colors

$Y_{xy}(23.9504, 0.2700, 0.3716)$

Have a look what the booklet for
Yxy(23.9504, 0.2700, 0.3716)
contains.

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Color

Yxy(24.0536, 0.2699, 0.3722)

Conversions

Conversions Part 1

Format	Color
Hex	50937D
RGB	80, 147, 125
RGB Percent	31%, 58%, 49%
CMY	0.6864, 0.4235, 0.5098
CMYK	0.46, 0.00, 0.15, 0.42
HSL	160°, 30%, 45%
HSV	160°, 46%, 58%
XYZ	17.4424, 24.0536, 23.1295
YIQ	124.4590, -32.8700, -21.0460

Conversions

Conversions Part 2

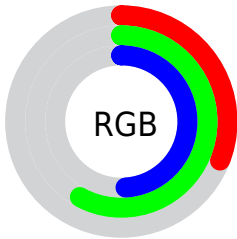
Format	Color
R_{YB}	80, 120, 147
Decimal	5280637
CIE _{Lab}	56.14, -26.82, 5.05
CIE _{LCh}	56, 27.289, 169.341
Yxy	24.0536, 0.2699, 0.3722
Android (android.graphics.Color)	4283470717 (0xFF50937D)
YUV	124.4590, 0.2667, -38.9905
Hunter-Lab	49.0445, -22.3452, 6.3699

Details

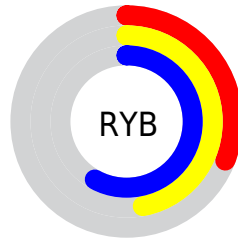
The Yxy color **24.0536, 0.2699, 0.3722** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.8955, 0.3902, 0.2909**, and the grayscale version is **20.3231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9742, 0.2791, 0.3613**, and **9.1072, 0.2537, 0.3908** is the 20% darker color. If you saturate the color by 10%, you get **23.3631, 0.2633, 0.3837**, and if you desaturate by 10%, it is **24.8920, 0.2778, 0.3613**.

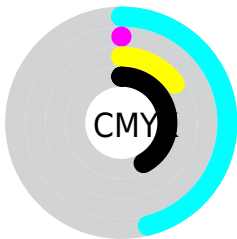
Distribution



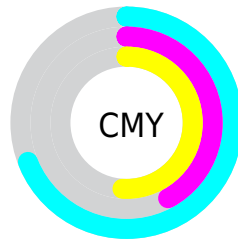
- Red (31%)
- Green (58%)
- Blue (49%)



- Red (31%)
- Yellow (47%)
- Blue (58%)



- Cyan (46%)
- Magenta (0%)
- Yellow (15%)
- Black (42%)





- Cyan (69%)
- Magenta (42%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0536, 0.2699, 0.3722 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 24.0536, 0.2699, 0.3722 by changing the saturation by 10% instead.


 24.0536, 0.2699,
0.3722


 24.0536, 0.2699,
0.3722


273.0914, 0.2939,
0.3477

 15.3734, 0.2629,
0.3796


 50.1177, 0.2793,
0.3625

 9.0819, 0.2531,
0.3899


 68.2703, 0.2826,
0.3591

 4.7946, 0.2387,
0.4055

 90.3492, 0.2854,
0.3563

 2.1273, 0.2152,
0.4318

 116.7387, 0.2876,
0.3540

 0.6799, 0.0000,
0.6370

 147.8233, 0.2895,
0.3521

 0.0000, 0.0000,
0.0000

183.9874, 0.2912,

0.3504

225.6152, 0.2926,
0.3489

■ 24.0536, 0.2699,
0.3722

■ 24.0536, 0.2699,
0.3722

■ 23.3631, 0.2633,
0.3837

■ 24.8920, 0.2778,
0.3613

■ 22.8083, 0.2584,
0.3956

■ 25.8839, 0.2868,
0.3512

■ 22.3797, 0.2552,
0.4079


■ 27.0381, 0.2966,
0.3419

■ 22.0654, 0.2539,
0.4202

■ 28.3619, 0.3068,
0.3334

■ 21.8486, 0.2545,
0.4324


■ 29.8620, 0.3174,
0.3257

 21.7658, 0.2549,
0.4377

 31.5449, 0.3280,
0.3189

 33.4168, 0.3386,
0.3128

 35.4835, 0.3490,
0.3074

 37.7505, 0.3590,
0.3027

Harmonies

Analogous

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



24.0536, 0.3144, 0.4068



24.0536, 0.2699, 0.3722



24.0536, 0.2383, 0.3250

Triad

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



24.0536, 0.2699, 0.3722



24.0536, 0.2622, 0.2531



24.0536, 0.4078, 0.3632

Complementary

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



24.0536, 0.2699, 0.3722



12.8955, 0.3902, 0.2909

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.



24.0536, 0.3924, 0.3252



24.0536, 0.2699, 0.3722



24.0536, 0.3052, 0.2646

Square

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



24.0536, 0.2699, 0.3722



24.0536, 0.2344, 0.2590



24.0536, 0.3536, 0.2903



24.0536, 0.3954, 0.3964

Rectangle

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



24.0536, 0.2699, 0.3722



24.0536, 0.2278, 0.2959



24.0536, 0.3536, 0.2903



24.0536, 0.4058, 0.3506

Sweetspot

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



24.0546, 0.2699, 0.3722



48.7106, 0.2979, 0.3407



24.2914, 0.3280, 0.4579



11.0189, 0.2959, 0.3425



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



24.0546, 0.2699, 0.3722



41.7776, 0.2630, 0.3843



21.3726, 0.2495, 0.3073



6.5302, 0.3031, 0.3364



18.8729, 0.2547, 0.4371



0.2364, 0.2394, 0.3818

Inverse Universe

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



12.8955, 0.3902, 0.2909



19.1444, 0.4187, 0.2832



14.2893, 0.4208, 0.3489



5.8449, 0.3234, 0.3218



5.5686, 0.5601, 0.2859



0.0732, 0.4539, 0.2274

Previews

White Background



This preview shows how the Yxy color 24.0536, 0.2699, 0.3722 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 24.0536, 0.2699, 0.3722 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 24.0536, 0.2699, 0.3722

Background



This preview shows how black text looks on a background with the Yxy color 24.0536, 0.2699, 0.3722.



This preview shows how white text looks on a background with the Yxy color 24.0536, 0.2699, 0.3722.

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

24.0536, 0.2699, 0.3722

Protanopia

23.6585, 0.3372, 0.3550

Deuteranopia

23.6751, 0.3365, 0.3291



Tritanopia

24.0527, 0.2526, 0.3087

Trichromacy



Original Color

24.0536, 0.2699, 0.3722

Protanomaly

23.4090, 0.3080, 0.3603

Deuteranomaly

23.4519, 0.3076, 0.3433

Tritanomaly

23.8610, 0.2589, 0.3307

Monochromacy



Original Color

24.0536, 0.2699, 0.3722

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.1459, 0.2943, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0536, 0.2699, 0.3722 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(80, 147, 125)` looks like.

```
.text, #text, p{  
    color:rgb(80, 147, 125)  
}
```

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(80, 147, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 147, 125) }
```

Border

The CSS property to change the border of an element to Yxy 24.0536, 0.2699, 0.3722 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(80, 147, 125) }
```

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

```
.border{ border-color:rgb(80, 147, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 147, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 147, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 147, 125);  
box-shadow:4px 4px 4px 4px rgb(80, 147,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0536, 0.2699, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 147, 125) }
```

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

```
.background{ background-color: rgb(80, 147,  
125) }
```

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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