

Converting Colors

$Y_{xy}(24.3097, 0.2592, 0.3732)$

Have a look what the booklet for
Yxy(24.3097, 0.2592, 0.3732)
contains.

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Color

$\text{Yxy}(24.1854, 0.2594, 0.3728)$

Conversions

Conversions Part 1

Format	Color
Hex	42957F
RGB	66, 149, 127
RGB Percent	26%, 58%, 50%
CMY	0.7409, 0.4157, 0.5019
CMYK	0.56, 0.00, 0.15, 0.42
HSL	164°, 39%, 42%
HSV	164°, 56%, 58%
XYZ	16.8286, 24.1854, 23.8610
YIQ	121.6750, -42.4060, -24.4380

Conversions

Conversions Part 2

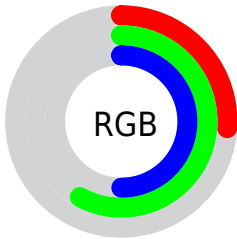
Format	Color
R _{YB}	66, 114, 149
Decimal	4363647
CIE Lab	56.27, -30.76, 4.03
CIE LCh	56, 31.021, 172.537
Yxy	24.1854, 0.2594, 0.3728
Android (android.graphics.Color)	4282553727 (0xFF42957F)
YUV	121.6750, 2.6252, -48.8270
Hunter-Lab	49.1787, -24.9813, 5.6581

Details

The Yxy color **24.1854, 0.2594, 0.3728** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.9995, 0.4281, 0.2923**, and the grayscale version is **19.3585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5460, 0.2709, 0.3631**, and **9.2854, 0.2421, 0.3914** is the 20% darker color. If you saturate the color by 10%, you get **23.6329, 0.2539, 0.3823**, and if you desaturate by 10%, it is **24.8787, 0.2665, 0.3637**.

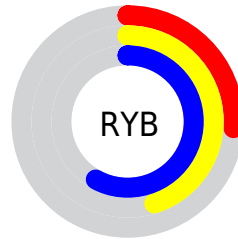
Distribution



Red (26%)

Green (58%)

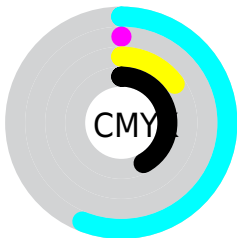
Blue (50%)



Red (26%)

Yellow (45%)

Blue (58%)

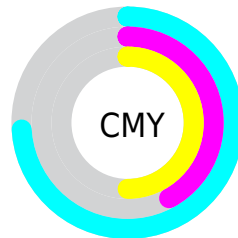


Cyan (56%)

Magenta (0%)

Yellow (15%)

Black (42%)



Cyan (74%)


Magenta (42%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1854, 0.2594, 0.3728 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 24.1854, 0.2594, 0.3728 by changing the saturation by 10% instead.


 24.1854, 0.2594,
0.3728

 24.1854, 0.2594,
0.3728


273.7565, 0.2891,
0.3481


 15.4712, 0.2508,
0.3802


 50.3326, 0.2710,
0.3630


 9.1508, 0.2389,
0.3904


 68.5344, 0.2751,
0.3596

 4.8396, 0.2215,
0.4059

 90.6674, 0.2785,
0.3568

 2.1535, 0.1937,
0.4314

 117.1162, 0.2813,
0.3545

 0.6945, 0.0000,
0.5941

 148.2652, 0.2837,
0.3525

 0.0000, 0.0000,
0.0000

184.4986, 0.2857,

0.3508

226.2009, 0.2875,
0.3493

■ 24.1854, 0.2594,
0.3728

■ 24.1854, 0.2594,
0.3728

■ 23.6329, 0.2539,
0.3823

■ 24.8787, 0.2665,
0.3637

■ 23.2075, 0.2503,
0.3920

■ 25.7196, 0.2750,
0.3550

■ 22.8980, 0.2485,
0.4017

■ 26.7177, 0.2847,
0.3469

■ 22.6871, 0.2486,
0.4114

■ 27.8811, 0.2952,
0.3394

■ 22.6077, 0.2488,
0.4156

■ 29.2173, 0.3063,
0.3326

■ 30.7332, 0.3177,
0.3264

■ 32.4356, 0.3293,
0.3208

■ 34.3306, 0.3409,
0.3159

■ 36.4243, 0.3522,
0.3115

Harmonies

Analogous

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



24.1854, 0.3084, 0.4153



24.1854, 0.2594, 0.3728



24.1854, 0.2264, 0.3182

Triad

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



24.1854, 0.2594, 0.3728



24.1854, 0.2601, 0.2445



24.1854, 0.4205, 0.3709

Complementary

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



24.1854, 0.2594, 0.3728



10.9995, 0.4281, 0.2923

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.



24.1854, 0.4066, 0.3286



24.1854, 0.2594, 0.3728



24.1854, 0.3097, 0.2593

Square

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



24.1854, 0.2594, 0.3728



24.1854, 0.2271, 0.2485



24.1854, 0.3645, 0.2891



24.1854, 0.4027, 0.4077

Rectangle

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



24.1854, 0.2594, 0.3728



24.1854, 0.2165, 0.2863



24.1854, 0.3645, 0.2891



24.1854, 0.4195, 0.3569

Sweetspot

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



24.1864, 0.2594, 0.3728



49.5620, 0.2933, 0.3407



23.9711, 0.3239, 0.4922



10.8989, 0.2915, 0.3419



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.



24.1864, 0.2594, 0.3728



42.0990, 0.2528, 0.3849



19.2017, 0.2361, 0.2904



6.5362, 0.3023, 0.3349



19.0342, 0.2486, 0.4150



0.2378, 0.2361, 0.3700

Inverse Universe

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



10.9995, 0.4281, 0.2923



15.9937, 0.4721, 0.2877



13.3467, 0.4519, 0.3620



5.8391, 0.3243, 0.3232



5.5083, 0.5824, 0.2982



0.0717, 0.4778, 0.2406

Previews

White Background



This preview shows how the Yxy color 24.1854, 0.2594, 0.3728 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 24.1854, 0.2594, 0.3728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

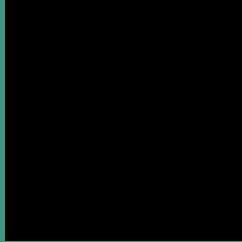
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1854, 0.2594, 0.3728

Background



This preview shows how black text looks on a background with the Yxy color 24.1854, 0.2594, 0.3728.

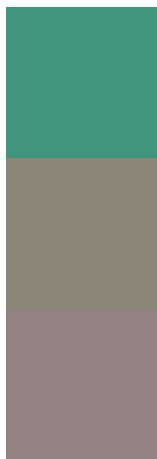


This preview shows how white text looks on a background with the Yxy color 24.1854, 0.2594, 0.3728.

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

24.1854, 0.2594, 0.3728

Protanopia

23.9576, 0.3358, 0.3549

Deuteranopia

23.8999, 0.3328, 0.3274



Tritanopia

24.2216, 0.2430, 0.3067

Trichromacy



Original Color

24.1854, 0.2594, 0.3728

Protanomaly

23.3811, 0.3016, 0.3606

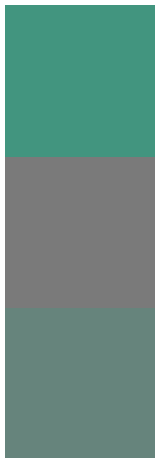
Deuteranomaly

23.3546, 0.2991, 0.3417

Tritanomaly

24.0108, 0.2484, 0.3288

Monochromacy



Original Color

24.1854, 0.2594, 0.3728

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.7825, 0.2880, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1854, 0.2594, 0.3728 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(66, 149, 127)` looks like.

```
.text, #text, p{  
  color:rgb(66, 149, 127)  
}
```

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(66, 149, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 149, 127) }
```

Border

The CSS property to change the border of an element to Yxy 24.1854, 0.2594, 0.3728 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(66, 149, 127) }
```

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

```
.border{ border-color:rgb(66, 149, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 149, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 149, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 149, 127);  
box-shadow:4px 4px 4px 4px rgb(66, 149,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1854, 0.2594, 0.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 149, 127) }
```

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

```
.background{ background-color: rgb(66, 149,  
127) }
```

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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