

Converting Colors

$Y_{xy}(21.2766, 0.2605, 0.3535)$

Have a look what the booklet for
Yxy(21.2766, 0.2605, 0.3535)
contains.

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Color

Yxy(21.3753, 0.2602, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	488B7F
RGB	72, 139, 127
RGB Percent	28%, 55%, 50%
CMY	0.7174, 0.4549, 0.5020
CMYK	0.48, 0.00, 0.09, 0.45
HSL	169°, 32%, 41%
HSV	169°, 48%, 55%
XYZ	15.7381, 21.3753, 23.3713
YIQ	117.5990, -36.0800, -17.9360

Conversions

Conversions Part 2

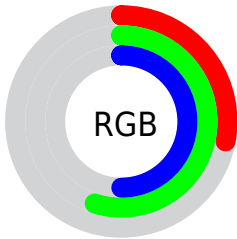
Format	Color
R_{YB}	72, 109, 139
Decimal	4754303
CIE _{Lab}	53.36, -24.39, -0.17
CIE _{LCh}	53, 24.394, 180.391
Yxy	21.3753, 0.2602, 0.3534
Android (android.graphics.Color)	4282944383 (0xFF488B7F)
YUV	117.5990, 4.6347, -39.9903
Hunter-Lab	46.2334, -20.1461, 2.3919

Details

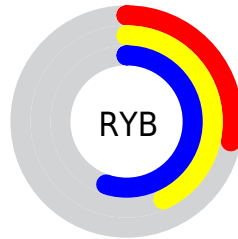
The Yxy color **21.3753, 0.2602, 0.3534** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.7713, 0.4157, 0.3073**, and the grayscale version is **17.9827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7952, 0.2716, 0.3477**, and **7.7804, 0.2397, 0.3647** is the 20% darker color. If you saturate the color by 10%, you get **20.8363, 0.2528, 0.3594**, and if you desaturate by 10%, it is **22.0384, 0.2691, 0.3477**.

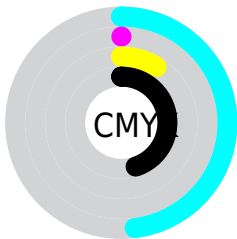
Distribution



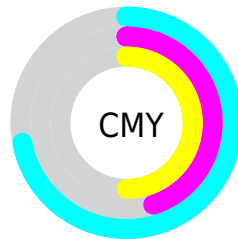
- Red (28%)
- Green (55%)
- Blue (50%)



- Red (28%)
- Yellow (43%)
- Blue (55%)



- Cyan (48%)
- Magenta (0%)
- Yellow (9%)
- Black (45%)



- Cyan (72%)
- Magenta (45%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3753, 0.2602, 0.3534 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 21.3753, 0.2602, 0.3534 by changing the saturation by 10% instead.

■ 21.3753, 0.2602,
0.3534

■ 21.3753, 0.2602,
0.3534

■ 259.2663, 0.2897,
0.3397

■ 13.3986, 0.2515,
0.3574

■ 45.7113, 0.2718,
0.3480

■ 7.7036, 0.2394,
0.3630

■ 62.8394, 0.2759,
0.3461

■ 3.9059, 0.2215,
0.3713

■ 83.7868, 0.2792,
0.3446

■ 1.6211, 0.1922,
0.3847

■ 108.9378, 0.2820,
0.3433

■ 0.3717, 0.0000,
0.4717

■ 138.6769, 0.2844,
0.3422

■ 0.0000, 0.0000,
0.0000

173.3884, 0.2864,

0.3412

213.4567, 0.2882,
0.3404

■ 21.3753, 0.2602,
0.3534

■ 21.3753, 0.2602,
0.3534

■ 20.8363, 0.2528,
0.3594

■ 22.0384, 0.2691,
0.3477

■ 20.4107, 0.2471,
0.3656

■ 22.8305, 0.2793,
0.3422

■ 20.0899, 0.2432,
0.3718

■ 23.7595, 0.2906,
0.3372

■ 19.8633, 0.2411,
0.3781

■ 24.8316, 0.3025,
0.3325

■ 19.7077, 0.2405,
0.3844


■ 26.0529, 0.3150,
0.3283

 19.6808, 0.2404,
0.3856

 27.4291, 0.3278,
0.3244

 28.9654, 0.3406,
0.3210

 30.6669, 0.3534,
0.3180

 32.5385, 0.3659,
0.3153

Harmonies

Analogous

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



21.3753, 0.2984, 0.3916



21.3753, 0.2602, 0.3534



21.3753, 0.2367, 0.3100

Triad

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



21.3753, 0.2602, 0.3534



21.3753, 0.2792, 0.2602



21.3753, 0.3999, 0.3737

Complementary

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



21.3753, 0.2602, 0.3534



10.7713, 0.4157, 0.3073

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.



21.3753, 0.3950, 0.3389



21.3753, 0.2602, 0.3534



21.3753, 0.3225, 0.2763

Square

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



21.3753, 0.2602, 0.3534



21.3753, 0.2471, 0.2596



21.3753, 0.3659, 0.3042



21.3753, 0.3798, 0.4003

Rectangle

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



21.3753, 0.2602, 0.3534



21.3753, 0.2316, 0.2860



21.3753, 0.3659, 0.3042



21.3753, 0.4012, 0.3625

Sweetspot

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



21.3761, 0.2602, 0.3534



43.2610, 0.2951, 0.3353



20.8328, 0.3177, 0.4698



9.8854, 0.2928, 0.3362



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.



21.3761, 0.2602, 0.3534



37.2226, 0.2521, 0.3601



16.1531, 0.2430, 0.2846



5.6735, 0.3013, 0.3329



17.7659, 0.2404, 0.3853



0.1199, 0.2320, 0.3554

Inverse Universe

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



10.7713, 0.4157, 0.3073



15.8283, 0.4548, 0.3035



13.8303, 0.4194, 0.3682



5.0623, 0.3254, 0.3251



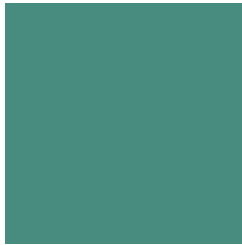
5.0191, 0.6071, 0.3118



0.0349, 0.5171, 0.2622

Previews

White Background



This preview shows how the Yxy color 21.3753, 0.2602, 0.3534 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 21.3753, 0.2602, 0.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

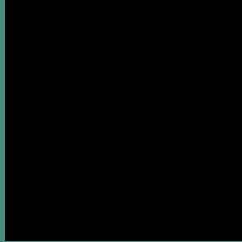
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3753, 0.2602, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 21.3753, 0.2602, 0.3534.



This preview shows how white text looks on a background with the Yxy color 21.3753, 0.2602, 0.3534.

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

21.3753, 0.2602, 0.3534

Protanopia

21.1031, 0.3255, 0.3399

Deuteranopia

21.0960, 0.3218, 0.3168



Tritanopia

21.3346, 0.2482, 0.3076

Trichromacy



Original Color

21.3753, 0.2602, 0.3534

Protanomaly

20.9777, 0.2974, 0.3443

Deuteranomaly

20.7962, 0.2946, 0.3289

Tritanomaly

21.3213, 0.2523, 0.3229

Monochromacy



Original Color

21.3753, 0.2602, 0.3534

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.0689, 0.2894, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3753, 0.2602, 0.3534 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(72, 139, 127)` looks like.

```
.text, #text, p{  
  color:rgb(72, 139, 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(72, 139, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 139, 127) }
```

Border

The CSS property to change the border of an element to Yxy 21.3753, 0.2602, 0.3534 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(72, 139, 127) }
```

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

```
.border{ border-color:rgb(72, 139, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 139, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 139, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 139, 127);  
box-shadow:4px 4px 4px 4px rgb(72, 139,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3753, 0.2602, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 139, 127) }
```

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

```
.background{ background-color: rgb(72, 139,  
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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