

Converting Colors

$Yxy(23.6789, 0.2404, 0.3489)$

Have a look what the booklet for
 $\text{Yxy}(23.6789, 0.2404, 0.3489)$
contains.

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Color

Yxy(23.5727, 0.2406, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	2D948A
RGB	45, 148, 138
RGB Percent	18%, 58%, 54%
CMY	0.8239, 0.4196, 0.4589
CMYK	0.70, 0.00, 0.07, 0.42
HSL	174°, 53%, 38%
HSV	174°, 70%, 58%
XYZ	16.2556, 23.5727, 27.7346
YIQ	116.0630, -58.1780, -24.9460

Conversions

Conversions Part 2

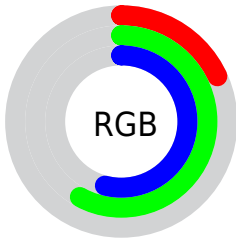
Format	Color
R_{YB}	45, 99, 148
Decimal	2987146
CIE _{Lab}	55.66, -31.33, -3.23
CIE _{LCh}	56, 31.495, 185.891
Yxy	23.5727, 0.2406, 0.3489
Android (android.graphics.Color)	4281177226 (0xFF2D948A)
YUV	116.0630, 10.8149, -62.3223
Hunter-Lab	48.5517, -25.2018, 0.1175

Details

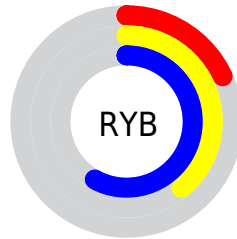
The Yxy color **23.5727, 0.2406, 0.3489** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.4412, 0.5166, 0.3152**, and the grayscale version is **17.4570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5376, 0.2564, 0.3460**, and **9.2540, 0.2322, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **23.2541, 0.2364, 0.3522**, and if you desaturate by 10%, it is **24.0113, 0.2466, 0.3457**.

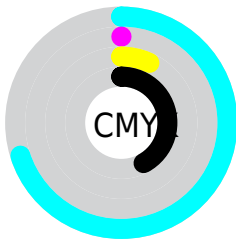
Distribution



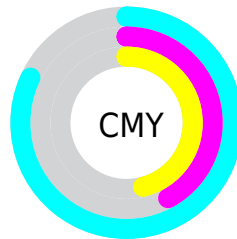
- Red (18%)
- Green (58%)
- Blue (54%)



- Red (18%)
- Yellow (39%)
- Blue (58%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (42%)




- Cyan (82%)
- Magenta (42%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5727, 0.2406, 0.3489 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 23.5727, 0.2406, 0.3489 by changing the saturation by 10% instead.


 23.5727, 0.2406,
0.3489


 23.5727, 0.2406,
0.3489


270.6530, 0.2802,
0.3384


 15.0170, 0.2294,
0.3517


 49.3320, 0.2559,
0.3450

 8.8313, 0.2143,
0.3553


 67.3044, 0.2614,
0.3435


 4.6313, 0.1925,
0.3601

 89.1844, 0.2659,
0.3423

 2.0326, 0.1593,
0.3665

 115.3564, 0.2697,
0.3413

 0.6263, 0.0000,
0.4082

 146.2049, 0.2729,
0.3404

 0.0000, 0.0000,
0.0000

 182.1142, 0.2756,

0.3397

223.4688, 0.2781,
0.3390

■ 23.5727, 0.2406,
0.3489

■ 23.5727, 0.2406,
0.3489

■ 23.2541, 0.2364,
0.3522

■ 24.0113, 0.2466,
0.3457

■ 23.0398, 0.2341,
0.3554

■ 24.5783, 0.2544,
0.3425

■ 22.8987, 0.2330,
0.3586

■ 25.2844, 0.2638,
0.3394

■ 22.8941, 0.2330,
0.3587

■ 26.1384, 0.2746,
0.3365

■ 27.1485, 0.2866,
0.3338

■ 28.3223, 0.2996,
0.3313

■ 29.6667, 0.3132,
0.3289

■ 31.1883, 0.3272,
0.3268

■ 32.8936, 0.3414,
0.3249

Harmonies

Analogous

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



23.5727, 0.2845, 0.4013



23.5727, 0.2406, 0.3489



23.5727, 0.2166, 0.2952

Triad

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



23.5727, 0.2406, 0.3489



23.5727, 0.2798, 0.2473



23.5727, 0.4186, 0.3897

Complementary

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



23.5727, 0.2406, 0.3489



8.4412, 0.5166, 0.3152

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.



23.5727, 0.4193, 0.3477



23.5727, 0.2406, 0.3489



23.5727, 0.3349, 0.2698

Square

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



23.5727, 0.2406, 0.3489



23.5727, 0.2377, 0.2424



23.5727, 0.3877, 0.3053



23.5727, 0.3880, 0.4213

Rectangle

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



23.5727, 0.2406, 0.3489



23.5727, 0.2135, 0.2681



23.5727, 0.3877, 0.3053



23.5727, 0.4226, 0.3763

Sweetspot

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



23.5736, 0.2406, 0.3489



47.5612, 0.2844, 0.3343



22.1901, 0.3091, 0.5422



10.7527, 0.2814, 0.3349



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.



23.5736, 0.2406, 0.3489



40.7762, 0.2348, 0.3541



13.1610, 0.2129, 0.2403



6.5526, 0.3002, 0.3311



19.5543, 0.2329, 0.3585



0.2416, 0.2285, 0.3425

Inverse Universe

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



8.4412, 0.5166, 0.3152



12.2669, 0.5839, 0.3180



13.1644, 0.4804, 0.3946



5.8240, 0.3268, 0.3269



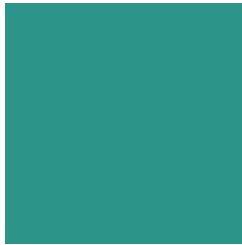
5.4078, 0.6255, 0.3219



0.0680, 0.5648, 0.2885

Previews

White Background



This preview shows how the Yxy color 23.5727, 0.2406, 0.3489 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 23.5727, 0.2406, 0.3489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

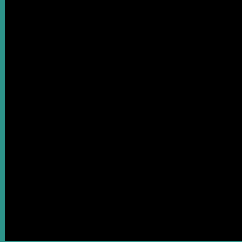
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5727, 0.2406, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 23.5727, 0.2406, 0.3489.



This preview shows how white text looks on a background with the Yxy color 23.5727, 0.2406, 0.3489.

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

23.5727, 0.2406, 0.3489

Protanopia

23.3217, 0.3205, 0.3342

Deuteranopia

23.3162, 0.3126, 0.3073



Tritanopia

23.4973, 0.2317, 0.3060

Trichromacy



Original Color

23.5727, 0.2406, 0.3489

Protanomaly

22.7265, 0.2822, 0.3402

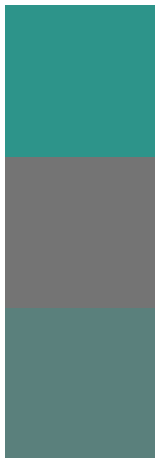
Deuteranomaly

22.5956, 0.2767, 0.3197

Tritanomaly

23.4636, 0.2346, 0.3210

Monochromacy



Original Color

23.5727, 0.2406, 0.3489

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

19.0672, 0.2753, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5727, 0.2406, 0.3489 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(45, 148, 138)` looks like.

```
.text, #text, p{  
    color:rgb(45, 148, 138)  
}
```

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(45, 148, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 148, 138) }
```

Border

The CSS property to change the border of an element to Yxy 23.5727, 0.2406, 0.3489 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(45, 148, 138) }
```

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

```
.border{ border-color:rgb(45, 148, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 148, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 148, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 148, 138);  
box-shadow:4px 4px 4px 4px rgb(45, 148,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5727, 0.2406, 0.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 148, 138) }
```

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

```
.background{ background-color: rgb(45, 148,  
138) }
```

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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