

Converting Colors

$Y_{xy}(23.7466, 0.2546, 0.3280)$

Have a look what the booklet for
Yxy(23.7466, 0.2546, 0.3280)
contains.

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Color

$\text{Yxy}(23.7402, 0.2545, 0.3269)$

Conversions

Conversions Part 1

Format	Color
Hex	519091
RGB	81, 144, 145
RGB Percent	32%, 56%, 57%
CMY	0.6821, 0.4353, 0.4313
CMYK	0.44, 0.01, 0.00, 0.43
HSL	181°, 28%, 44%
HSV	181°, 44%, 57%
XYZ	18.4824, 23.7402, 30.3997
YIQ	125.2770, -37.8690, -13.0450

Conversions

Conversions Part 2

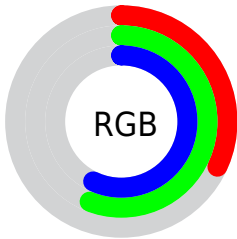
Format	Color
RYB	81, 113, 145
Decimal	5345425
CIELab	55.83, -19.92, -6.88
CIElCh	56, 21.078, 199.045
Yxy	23.7402, 0.2545, 0.3269
Android (android.graphics.Color)	4283535505 (0xFF519091)
YUV	125.2770, 9.7234, -38.8309
Hunter-Lab	48.7239, -17.5568, -2.8853

Details

The Yxy color **23.7402, 0.2545, 0.3269** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.6639, 0.4233, 0.3311**, and the grayscale version is **20.5886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5800, 0.2664, 0.3275**, and **8.8616, 0.2325, 0.3229** is the 20% darker color. If you saturate the color by 10%, you get **23.0970, 0.2449, 0.3264**, and if you desaturate by 10%, it is **24.5223, 0.2657, 0.3274**.

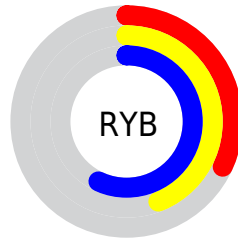
Distribution



Red (32%)

Green (56%)

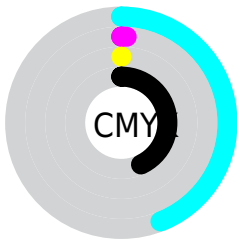
Blue (57%)



Red (32%)

Yellow (44%)

Blue (57%)

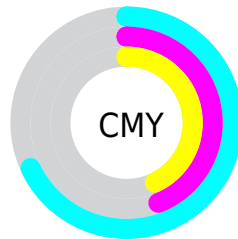


Cyan (44%)

Magenta (1%)

Yellow (0%)

Black (43%)



Cyan (68%)

Magenta (44%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7402, 0.2545, 0.3269 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 23.7402, 0.2545, 0.3269 by changing the saturation by 10% instead.


 23.7402, 0.2545,
0.3269


 23.7402, 0.2545,
0.3269


271.5044, 0.2864,
0.3287


 15.1410, 0.2455,
0.3261


 49.6059, 0.2668,
0.3278

 8.9184, 0.2333,
0.3249


 67.6412, 0.2712,
0.3280

 4.6880, 0.2158,
0.3226

 89.5907, 0.2748,
0.3282

 2.0654, 0.1887,
0.3179

 115.8387, 0.2779,
0.3283

 0.6451, 0.0643,
0.3271

 146.7697, 0.2805,
0.3284

 0.0000, 0.0000,
0.0000

182.7681, 0.2827,

0.3285

224.2182, 0.2847,
0.3286

■ 23.7402, 0.2545,
0.3269

■ 23.7402, 0.2545,
0.3269

■ 23.0970, 0.2449,
0.3264

■ 24.5223, 0.2657,
0.3274

■ 22.5810, 0.2371,
0.3258

■ 25.4485, 0.2782,
0.3279

■ 22.1834, 0.2312,
0.3253


■ 26.5271, 0.2920,
0.3284

■ 21.8930, 0.2270,
0.3248

■ 27.7649, 0.3066,
0.3288


■ 21.6961, 0.2245,
0.3243


■ 29.1686, 0.3218,
0.3292

 21.5999, 0.2233,
0.3240

 30.7441, 0.3373,
0.3296

 32.4972, 0.3529,
0.3300

 34.4336, 0.3684,
0.3303

 36.5585, 0.3836,
0.3305

Harmonies

Analogous

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



23.7402, 0.2799, 0.3625



23.7402, 0.2545, 0.3269



23.7402, 0.2442, 0.2947

Triad

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



23.7402, 0.2545, 0.3269



23.7402, 0.3069, 0.2778



23.7402, 0.3775, 0.3821

Complementary

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



23.7402, 0.2545, 0.3269



12.6639, 0.4233, 0.3311

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.



23.7402, 0.3864, 0.3566



23.7402, 0.2545, 0.3269



23.7402, 0.3443, 0.2983

Square

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



23.7402, 0.2545, 0.3269



23.7402, 0.2730, 0.2689



23.7402, 0.3741, 0.3264



23.7402, 0.3509, 0.3950

Rectangle

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



23.7402, 0.2545, 0.3269



23.7402, 0.2467, 0.2795



23.7402, 0.3741, 0.3264



23.7402, 0.3827, 0.3746

Sweetspot

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



23.7411, 0.2545, 0.3269



47.6704, 0.2931, 0.3284



22.6013, 0.3065, 0.4614



10.5126, 0.2903, 0.3283



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.7411, 0.2545, 0.3269



41.3561, 0.2449, 0.3264



15.6165, 0.2441, 0.2643



6.1018, 0.2991, 0.3286



18.5282, 0.2234, 0.3240



0.1802, 0.2241, 0.3266

Inverse Universe

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



13.9295, 0.3190, 0.2260



21.4661, 0.3204, 0.2057



18.4351, 0.3986, 0.3852



5.5096, 0.3140, 0.3076



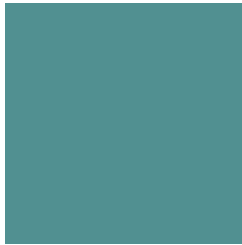
6.8568, 0.3248, 0.1563



0.0659, 0.3227, 0.1551

Previews

White Background



This preview shows how the Yxy color 23.7402, 0.2545, 0.3269 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 23.7402, 0.2545, 0.3269 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 23.7402, 0.2545, 0.3269

Background



This preview shows how black text looks on a background with the Yxy color 23.7402, 0.2545, 0.3269.

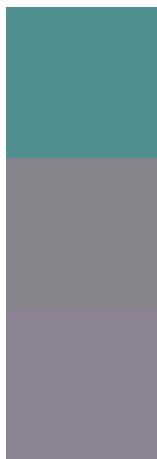


This preview shows how white text looks on a background with the Yxy color 23.7402, 0.2545, 0.3269.

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

23.7402, 0.2545, 0.3269

Protanopia

23.4058, 0.3087, 0.3187

Deuteranopia

23.5923, 0.3040, 0.2991



Tritanopia

23.8628, 0.2497, 0.3086

Trichromacy



Original Color

23.7402, 0.2545, 0.3269

Protanomaly

23.1762, 0.2855, 0.3199

Deuteranomaly

23.2861, 0.2829, 0.3078

Tritanomaly

23.7183, 0.2512, 0.3139

Monochromacy



Original Color

23.7402, 0.2545, 0.3269

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.4197, 0.2875, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7402, 0.2545, 0.3269 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(81, 144, 145)` looks like.

```
.text, #text, p{  
    color:rgb(81, 144, 145)  
}
```

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(81, 144, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 144, 145) }
```

Border

The CSS property to change the border of an element to Yxy 23.7402, 0.2545, 0.3269 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(81, 144, 145) }
```

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

```
.border{ border-color:rgb(81, 144, 145) }
```

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

Here you see how a box with a 4 pixel rgb(81, 144, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 144, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 144, 145);  
box-shadow:4px 4px 4px 4px rgb(81, 144,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7402, 0.2545, 0.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 144, 145) }
```

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

```
.background{ background-color: rgb(81, 144,  
145) }
```

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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