

Converting Colors

$Y_{xy}(23.2319, 0.2718, 0.3556)$

Have a look what the booklet for
Yxy(23.2319, 0.2718, 0.3556)
contains.

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Color

$\text{Yxy}(23.3046, 0.2721, 0.3561)$

Conversions

Conversions Part 1

Format	Color
Hex	588F81
RGB	88, 143, 129
RGB Percent	35%, 56%, 51%
CMY	0.6550, 0.4392, 0.4941
CMYK	0.38, 0.00, 0.10, 0.44
HSL	165°, 24%, 45%
HSV	165°, 38%, 56%
XYZ	17.8073, 23.3046, 24.3321
YIQ	124.9590, -28.2860, -16.0140

Conversions

Conversions Part 2

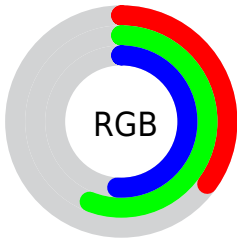
Format	Color
R_{YB}	88, 120, 143
Decimal	5803905
CIE _{Lab}	55.38, -21.59, 1.71
CIE _{LCh}	55, 21.657, 175.473
Y _{xy}	23.3046, 0.2721, 0.3561
Android (android.graphics.Color)	4283993985 (0xFF588F81)
YUV	124.9590, 1.9922, -32.4130
Hunter-Lab	48.2748, -18.6371, 3.9083

Details

The Yxy color **23.3046, 0.2721, 0.3561** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.7725, 0.3800, 0.3041**, and the grayscale version is **20.4920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8854, 0.2807, 0.3498**, and **8.6268, 0.2558, 0.3655** is the 20% darker color. If you saturate the color by 10%, you get **22.5801, 0.2639, 0.3645**, and if you desaturate by 10%, it is **24.1713, 0.2815, 0.3482**.

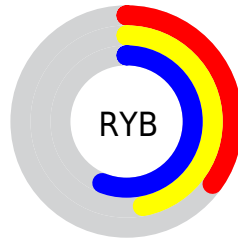
Distribution



Red (35%)

Green (56%)

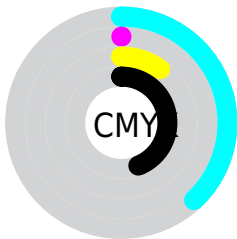
Blue (51%)



Red (35%)

Yellow (47%)

Blue (56%)

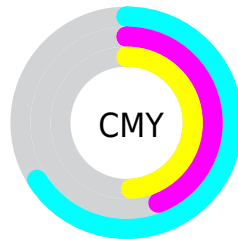


Cyan (38%)

Magenta (0%)

Yellow (10%)

Black (44%)



Cyan (66%)

Magenta (44%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3046, 0.2721, 0.3561 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 23.3046, 0.2721, 0.3561 by changing the saturation by 10% instead.


 23.3046, 0.2721,
0.3561


 23.3046, 0.2721,
0.3561


269.2856, 0.2948,
0.3409


 14.8186, 0.2655,
0.3606


 48.8930, 0.2810,
0.3501

 8.6922, 0.2563,
0.3669


 66.7642, 0.2841,
0.3480

 4.5409, 0.2428,
0.3762

 88.5325, 0.2867,
0.3463

 1.9805, 0.2210,
0.3917

 114.5824, 0.2888,
0.3448

 0.5961, 0.0340,
0.5116

145.2983, 0.2907,
0.3436

 0.0000, 0.0000,
0.0000

181.0645, 0.2922,

0.3426

222.2655, 0.2936,
0.3417

■ 23.3046, 0.2721,
0.3561

■ 23.3046, 0.2721,
0.3561

■ 22.5801, 0.2639,
0.3645

■ 24.1713, 0.2815,
0.3482

■ 21.9869, 0.2571,
0.3733

■ 25.1849, 0.2919,
0.3409

■ 21.5170, 0.2520,
0.3823

■ 26.3531, 0.3030,
0.3342

■ 21.1604, 0.2488,
0.3916

■ 27.6824, 0.3145,
0.3281

■ 20.9055, 0.2474,
0.4008

■ 29.1789, 0.3262,
0.3226

■ 20.7268, 0.2476,
0.4101

■ 30.8483, 0.3379,
0.3178

■ 20.7013, 0.2476,
0.4115

■ 32.6962, 0.3494,
0.3134

■ 34.7278, 0.3608,
0.3096

■ 36.9481, 0.3718,
0.3063

Harmonies

Analogous

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



23.3046, 0.3069, 0.3863



23.3046, 0.2721, 0.3561



23.3046, 0.2489, 0.3189

Triad

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



23.3046, 0.2721, 0.3561



23.3046, 0.2784, 0.2678



23.3046, 0.3887, 0.3637

Complementary

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



23.3046, 0.2721, 0.3561



13.7725, 0.3800, 0.3041

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.



23.3046, 0.3807, 0.3330



23.3046, 0.2721, 0.3561



23.3046, 0.3150, 0.2798

Square

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



23.3046, 0.2721, 0.3561



23.3046, 0.2524, 0.2701



23.3046, 0.3530, 0.3031



23.3046, 0.3750, 0.3881

Rectangle

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



23.3046, 0.2721, 0.3561



23.3046, 0.2424, 0.2968



23.3046, 0.3530, 0.3031



23.3046, 0.3885, 0.3538

Sweetspot

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



23.3055, 0.2721, 0.3561



46.3680, 0.2988, 0.3367



23.2138, 0.3224, 0.4367



10.5785, 0.2975, 0.3374



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.



23.3055, 0.2721, 0.3561



40.6141, 0.2650, 0.3632



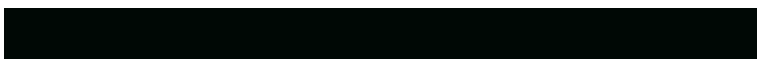
20.0654, 0.2573, 0.3039



6.0932, 0.3022, 0.3347



18.3052, 0.2475, 0.4110



0.1786, 0.2356, 0.3681

Inverse Universe

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



13.7725, 0.3800, 0.3041



21.0850, 0.4027, 0.2987



15.8144, 0.3949, 0.3524



5.4452, 0.3244, 0.3234



5.2810, 0.5855, 0.2999



0.0536, 0.4823, 0.2430

Previews

White Background



This preview shows how the Yxy color 23.3046, 0.2721, 0.3561 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 23.3046, 0.2721, 0.3561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

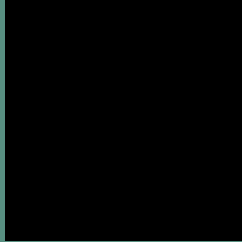
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3046, 0.2721, 0.3561

Background



This preview shows how black text looks on a background with the Yxy color 23.3046, 0.2721, 0.3561.

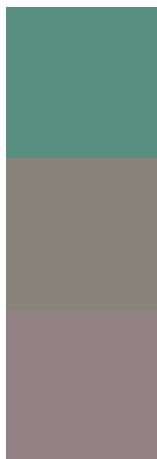


This preview shows how white text looks on a background with the Yxy color 23.3046, 0.2721, 0.3561.

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

23.3046, 0.2721, 0.3561

Protanopia

23.2510, 0.3283, 0.3447

Deuteranopia

23.1240, 0.3284, 0.3223



Tritanopia

23.3177, 0.2578, 0.3086

Trichromacy



Original Color

23.3046, 0.2721, 0.3561

Protanomaly

23.0109, 0.3052, 0.3491

Deuteranomaly

22.6988, 0.3047, 0.3326

Tritanomaly

23.2571, 0.2628, 0.3251

Monochromacy



Original Color

23.3046, 0.2721, 0.3561

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.4536, 0.2966, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3046, 0.2721, 0.3561 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(88, 143, 129)` looks like.

```
.text, #text, p{  
    color:rgb(88, 143, 129)  
}
```

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(88, 143, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 143, 129) }
```

Border

The CSS property to change the border of an element to Yxy 23.3046, 0.2721, 0.3561 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(88, 143, 129) }
```

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

```
.border{ border-color:rgb(88, 143, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 143, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 143, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 143, 129);  
box-shadow:4px 4px 4px 4px rgb(88, 143,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3046, 0.2721, 0.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 143, 129) }
```

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

```
.background{ background-color: rgb(88, 143,  
129) }
```

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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