

Converting Colors

$Y_{xy}(22.2760, 0.2477, 0.3152)$

Have a look what the booklet for
Yxy(22.2760, 0.2477, 0.3152)
contains.

Yxy(22.3586, 0.2475, 0.3154)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(22.3586, 0.2475, 0.3154)$

Conversions

Conversions Part 1

Format	Color
Hex	4B8C93
RGB	75, 140, 147
RGB Percent	29%, 55%, 58%
CMY	0.7058, 0.4510, 0.4236
CMYK	0.49, 0.05, 0.00, 0.42
HSL	186°, 32%, 44%
HSV	186°, 49%, 58%
XYZ	17.5452, 22.3586, 30.9859
YIQ	121.3630, -40.9870, -11.6030

Conversions

Conversions Part 2

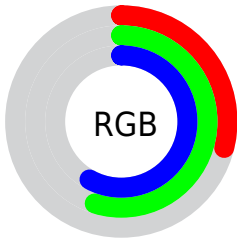
Format	Color
RYB	75, 109, 147
Decimal	4951187
CIELab	54.41, -18.78, -10.16
CIELCh	54, 21.353, 208.423
Yxy	22.3586, 0.2475, 0.3154
Android (android.graphics.Color)	4283141267 (0xFF4B8C93)
YUV	121.3630, 12.6390, -40.6604
Hunter-Lab	47.2849, -16.5156, -5.7534

Details

The Yxy color **22.3586, 0.2475, 0.3154** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.7416, 0.4372, 0.3415**, and the grayscale version is **19.2130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4677, 0.2615, 0.3192**, and **8.2502, 0.2241, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **21.4199, 0.2379, 0.3122**, and if you desaturate by 10%, it is **23.4413, 0.2587, 0.3185**.

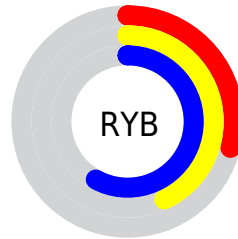
Distribution



Red (29%)

Green (55%)

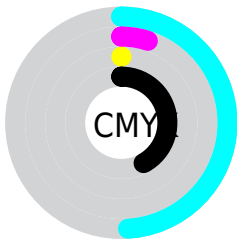
Blue (58%)



Red (29%)

Yellow (43%)

Blue (58%)

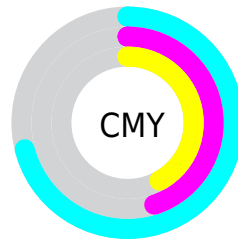


Cyan (49%)

Magenta (5%)

Yellow (0%)

Black (42%)



Cyan (71%)

Magenta (45%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3586, 0.2475, 0.3154 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 22.3586, 0.2475, 0.3154 by changing the saturation by 10% instead.

■ 22.3586, 0.2475,
0.3154

■ 22.3586, 0.2475,
0.3154

■ 264.4133, 0.2833,
0.3238

■ 14.1206, 0.2374,
0.3126

■ 47.3380, 0.2614,
0.3189

■ 8.2046, 0.2235,
0.3085

■ 64.8482, 0.2663,
0.3201

■ 4.2262, 0.2037,
0.3018

■ 86.2179, 0.2704,
0.3210

■ 1.8009, 0.1732,
0.2898

■ 111.8315, 0.2738,
0.3218

■ 0.4877, 0.0029,
0.2768

■ 142.0735, 0.2767,
0.3224

■ 0.0000, 0.0000,
0.0000

177.3282, 0.2793,

0.3229

217.9800, 0.2814,
0.3234

■ 22.3586, 0.2475,
0.3154

■ 22.3586, 0.2475,
0.3154

■ 21.4199, 0.2379,
0.3122

■ 23.4413, 0.2587,
0.3185

■ 20.6132, 0.2299,
0.3089

■ 24.6741, 0.2713,
0.3215

■ 19.9283, 0.2238,
0.3057

■ 26.0659, 0.2849,
0.3243

■ 19.3528, 0.2196,
0.3024

■ 27.6240, 0.2993,
0.3269

■ 18.8582, 0.2166,
0.2992

■ 29.3554, 0.3143,
0.3292

■ 18.8081, 0.2164,
0.2989

■ 31.2665, 0.3295,
0.3314

■ 33.3635, 0.3447,
0.3334

■ 35.6524, 0.3598,
0.3351

■ 38.1386, 0.3746,
0.3366

Harmonies

Analogous

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



22.3586, 0.2692, 0.3525



22.3586, 0.2475, 0.3154



22.3586, 0.2423, 0.2853

Triad

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



22.3586, 0.2475, 0.3154



22.3586, 0.3188, 0.2817



22.3586, 0.3726, 0.3898

Complementary

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



22.3586, 0.2475, 0.3154



12.7416, 0.4372, 0.3415

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.



22.3586, 0.3883, 0.3665



22.3586, 0.2475, 0.3154



22.3586, 0.3564, 0.3058

Square

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



22.3586, 0.2475, 0.3154



22.3586, 0.2816, 0.2684



22.3586, 0.3825, 0.3361



22.3586, 0.3411, 0.3975

Rectangle

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



22.3586, 0.2475, 0.3154



22.3586, 0.2485, 0.2728



22.3586, 0.3825, 0.3361



22.3586, 0.3800, 0.3833

Sweetspot

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



22.3595, 0.2475, 0.3154



47.6804, 0.2901, 0.3252



22.9515, 0.3012, 0.4664



10.7654, 0.2874, 0.3247



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.



22.3595, 0.2475, 0.3154



38.1789, 0.2368, 0.3118



13.7047, 0.2341, 0.2427



6.4672, 0.2990, 0.3268



16.3304, 0.2164, 0.2990



0.2223, 0.2208, 0.3150

Inverse Universe

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



13.1281, 0.3282, 0.2235



19.9245, 0.3325, 0.2034



19.4300, 0.4057, 0.4009



5.8996, 0.3151, 0.3093



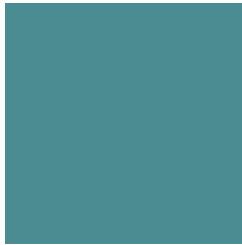
6.8419, 0.3463, 0.1681



0.0860, 0.3324, 0.1605

Previews

White Background



This preview shows how the Yxy color 22.3586, 0.2475, 0.3154 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 22.3586, 0.2475, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

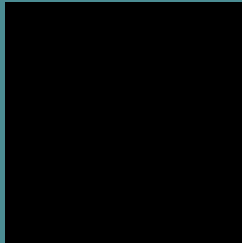
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3586, 0.2475, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 22.3586, 0.2475, 0.3154.



This preview shows how white text looks on a background with the Yxy color 22.3586, 0.2475, 0.3154.

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

22.3586, 0.2475, 0.3154

Protanopia

22.2611, 0.3011, 0.3098

Deuteranopia

22.0293, 0.2941, 0.2882



Tritanopia

22.2361, 0.2449, 0.3060

Trichromacy



Original Color

22.3586, 0.2475, 0.3154

Protanomaly

22.0094, 0.2773, 0.3106

Deuteranomaly

21.7820, 0.2736, 0.2965

Tritanomaly

22.2037, 0.2456, 0.3078

Monochromacy



Original Color

22.3586, 0.2475, 0.3154

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.9931, 0.2838, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3586, 0.2475, 0.3154 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(75, 140, 147)` looks like.

```
.text, #text, p{  
    color:rgb(75, 140, 147)  
}
```

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(75, 140, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 140, 147) }
```

Border

The CSS property to change the border of an element to Yxy 22.3586, 0.2475, 0.3154 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(75, 140, 147) }
```

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

```
.border{ border-color:rgb(75, 140, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 140, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 140, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 140, 147);  
box-shadow:4px 4px 4px 4px rgb(75, 140,  
147) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.3586, 0.2475, 0.3154$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 140, 147) }
```

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

```
.background{ background-color: rgb(75, 140,  
147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor