

Converting Colors

$Y_{xy}(14.2551, 0.2240, 0.2582)$

Have a look what the booklet for
Yxy(14.2551, 0.2240, 0.2582)
contains.

Yxy(14.2232, 0.2243, 0.2584)	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

Yxy(14.2232, 0.2243, 0.2584)

Conversions

Conversions Part 1

Format	Color
Hex	386F90
RGB	56, 111, 144
RGB Percent	22%, 44%, 56%
CMY	0.7806, 0.5647, 0.4354
CMYK	0.61, 0.23, 0.00, 0.44
HSL	202°, 44%, 39%
HSV	202°, 61%, 56%
XYZ	12.3462, 14.2232, 28.4739
YIQ	98.3170, -43.3730, -1.3970

Conversions

Conversions Part 2

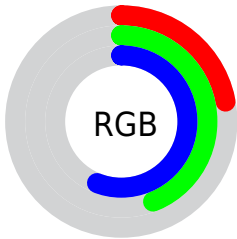
Format	Color
RYB	56, 90, 144
Decimal	3698576
CIELab	44.55, -7.77, -23.50
CIElCh	45, 24.751, 251.692
Yxy	14.2232, 0.2243, 0.2584
Android (android.graphics.Color)	4281888656 (0xFF386F90)
YUV	98.3170, 22.5217, -37.1120
Hunter-Lab	37.7137, -7.5638, -18.3646




Details

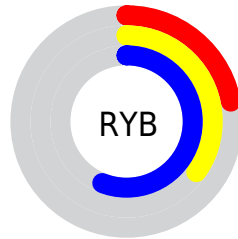
The Yxy color **14.2232, 0.2243, 0.2584** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **13.3456, 0.4560, 0.3857**, and the grayscale version is **12.2454, 0.3127, 0.3290**.




A 20% lighter version of the original color is **33.6511, 0.2449, 0.2762**, and **4.3453, 0.1966, 0.2276** is the 20% darker color. If you saturate the color by 10%, you get **12.7254, 0.2129, 0.2444**, and if you desaturate by 10%, it is **15.9124, 0.2372, 0.2720**.

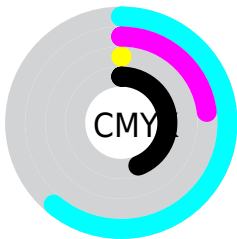
Distribution







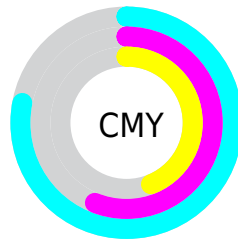
-  Red (22%)
-  Green (44%)
-  Blue (56%)






-  Red (22%)
-  Yellow (35%)
-  Blue (56%)



-  Cyan (61%)
-  Magenta (23%)
-  Yellow (0%)
-  Black (44%)



-  Cyan (78%)
-  Magenta (56%)
-  Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.2232, 0.2243, 0.2584 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 14.2232, 0.2243, 0.2584 by changing the saturation by 10% instead.

■ 14.2232, 0.2243,
0.2584

■ 14.2232, 0.2243,
0.2584

■ 218.6150, 0.2754,
0.3004

■ 8.2761, 0.2089,
0.2451

■ 33.4845, 0.2448,
0.2756

■ 4.2721, 0.1873,
0.2259

■ 47.5675, 0.2518,
0.2815

■ 1.8269, 0.1557,
0.1967

■ 65.1313, 0.2576,
0.2862

■ 0.5039, 0.0808,
0.1408

■ 86.5602, 0.2624,
0.2900

■ 0.0000, 0.0000,
0.0000

■ 112.2386, 0.2664,
0.2933

■ 142.5509, 0.2698,

0.2960

177.8816, 0.2728,
0.2984

■ 14.2232, 0.2243,
0.2584

■ 14.2232, 0.2243,
0.2584

■ 12.7254, 0.2129,
0.2444

■ 15.9124, 0.2372,
0.2720

■ 11.4057, 0.2033,
0.2303

■ 17.8020, 0.2511,
0.2849

■ 10.2508, 0.1956,
0.2163

■ 19.9021, 0.2658,
0.2971

■ 9.3343, 0.1900,
0.2040

■ 22.2215, 0.2809,
0.3083

■ 24.7684, 0.2961,
0.3187

■ 27.5506, 0.3110,
0.3280

■ 30.5754, 0.3256,
0.3364

■ 33.8498, 0.3397,
0.3439

■ 37.3804, 0.3531,
0.3505

Harmonies

Analogous

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



14.2232, 0.2209, 0.2897



14.2232, 0.2243, 0.2584



14.2232, 0.2489, 0.2473

Triad

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



14.2232, 0.2243, 0.2584



14.2232, 0.3901, 0.3145



14.2232, 0.3273, 0.4187

Complementary

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



14.2232, 0.2243, 0.2584



13.3456, 0.4560, 0.3857

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.



14.2232, 0.3753, 0.4185



14.2232, 0.2243, 0.2584



14.2232, 0.4142, 0.3549

Square

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



14.2232, 0.2243, 0.2584



14.2232, 0.3437, 0.2792



14.2232, 0.4079, 0.3930



14.2232, 0.2777, 0.3877

Rectangle

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



14.2232, 0.2243, 0.2584



14.2232, 0.2757, 0.2507



14.2232, 0.4079, 0.3930



14.2232, 0.3441, 0.4221

Sweetspot

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



14.2237, 0.2243, 0.2584



40.4067, 0.2851, 0.3113



21.4898, 0.2810, 0.4516



9.0020, 0.2811, 0.3085



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.



14.2237, 0.2243, 0.2584



21.6340, 0.2095, 0.2397



6.9494, 0.2029, 0.1619



5.7814, 0.2990, 0.3206



8.1762, 0.1902, 0.2048



0.1206, 0.2074, 0.2666

Inverse Universe

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



9.8996, 0.3775, 0.2368



14.5178, 0.3986, 0.2240



22.7827, 0.4072, 0.4527



5.4772, 0.3190, 0.3153



5.8117, 0.4399, 0.2197



0.0599, 0.3761, 0.1845

Previews

White Background



This preview shows how the Yxy color 14.2232, 0.2243, 0.2584 looks on a white 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

Black Background



This preview shows how the Yxy color 14.2232, 0.2243, 0.2584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

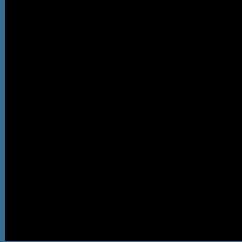
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

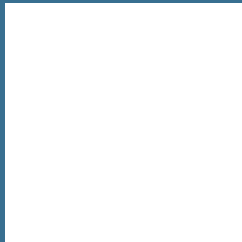
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.2232, 0.2243, 0.2584

Background



This preview shows how black text looks on a background with the Yxy color 14.2232, 0.2243, 0.2584.

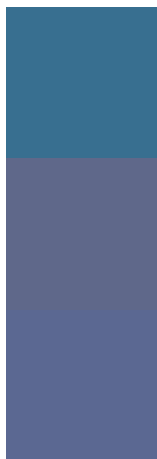


This preview shows how white text looks on a background with the Yxy color 14.2232, 0.2243, 0.2584.

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

14.2232, 0.2243, 0.2584

Protanopia

14.1685, 0.2618, 0.2602

Deuteranopia

14.2001, 0.2499, 0.2456



Tritanopia

14.3210, 0.2352, 0.3079

Trichromacy



Original Color

14.2232, 0.2243, 0.2584

Protanomaly

14.1582, 0.2461, 0.2604

Deuteranomaly

14.1794, 0.2391, 0.2510

Tritanomaly

14.3514, 0.2313, 0.2904

Monochromacy



Original Color

14.2232, 0.2243, 0.2584

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.7773, 0.2717, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2232, 0.2243, 0.2584 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(56, 111, 144)` looks like.

```
.text, #text, p{  
    color:rgb(56, 111, 144)  
}
```

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(56, 111, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 111, 144) }
```

Border

The CSS property to change the border of an element to Yxy 14.2232, 0.2243, 0.2584 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(56, 111, 144) }
```

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

```
.border{ border-color:rgb(56, 111, 144) }
```

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

Here you see how a box with a 4 pixel rgb(56, 111, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 111, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 111, 144);  
box-shadow:4px 4px 4px 4px rgb(56, 111,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2232, 0.2243, 0.2584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 111, 144) }
```

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

```
.background{ background-color: rgb(56, 111,  
144) }
```

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