

Converting Colors

$Y_{xy}(11.3248, 0.2285, 0.2266)$

Have a look what the booklet for
Yxy(11.3248, 0.2285, 0.2266)
contains.

Yxy(11.2236, 0.2281, 0.2257)	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(11.2236, 0.2281, 0.2257)

Conversions

Conversions Part 1

Format	Color
Hex	455E8E
RGB	69, 94, 142
RGB Percent	27%, 37%, 56%
CMY	0.7292, 0.6314, 0.4431
CMYK	0.51, 0.34, 0.00, 0.44
HSL	219°, 35%, 41%
HSV	219°, 51%, 56%
XYZ	11.3429, 11.2236, 27.1614
YIQ	91.9970, -30.3080, 9.6280

Conversions

Conversions Part 2

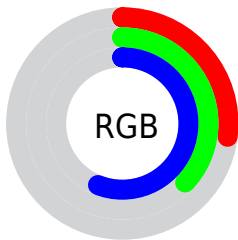
Format	Color
RYB	69, 88, 142
Decimal	4546190
CIELab	39.95, 4.99, -29.43
CIElCh	40, 29.846, 279.615
Yxy	11.2236, 0.2281, 0.2257
Android (android.graphics.Color)	4282736270 (0xFF455E8E)
YUV	91.9970, 24.6515, -20.1684
Hunter-Lab	33.5016, 1.8085, -24.6181

Details

The Yxy color **11.2236, 0.2281, 0.2257** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.9234, 0.4058, 0.4128**, and the grayscale version is **10.6522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0696, 0.2492, 0.2502**, and **2.9404, 0.1889, 0.1801** is the 20% darker color. If you saturate the color by 10%, you get **9.2019, 0.2115, 0.2012**, and if you desaturate by 10%, it is **13.5718, 0.2454, 0.2493**.

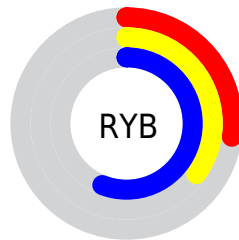
Distribution



Red (27%)

Green (37%)

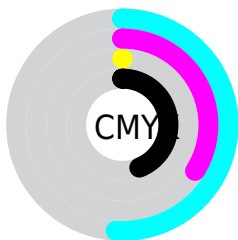
Blue (56%)



Red (27%)

Yellow (35%)

Blue (56%)

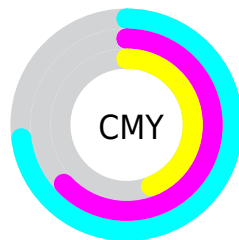


Cyan (51%)

Magenta (34%)

Yellow (0%)

Black (44%)



Cyan (73%)

Magenta (63%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.2236, 0.2281, 0.2257 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 11.2236, 0.2281, 0.2257 by changing the saturation by 10% instead.

■ 11.2236, 0.2281,
0.2257

■ 11.2236, 0.2281,
0.2257

■ 199.1952, 0.2788,
0.2865

■ 6.2174, 0.2119,
0.2069

■ 28.0729, 0.2490,
0.2503

■ 2.9777, 0.1888,
0.1806

■ 40.6848, 0.2560,
0.2588

■ 1.1201, 0.1538,
0.1420

■ 56.6008, 0.2617,
0.2656

■ 0.0000, 0.0445,
0.0000

■ 76.2052, 0.2664,
0.2713

■ 0.0000, 0.0000,
0.0000

■ 99.8825, 0.2703,
0.2760

128.0170, 0.2736,

0.2800

160.9931, 0.2764,
0.2835

■ 11.2236, 0.2281,
0.2257

■ 11.2236, 0.2281,
0.2257

■ 9.2019, 0.2115,
0.2012

■ 13.5718, 0.2454,
0.2493

■ 7.4894, 0.1962,
0.1766

■ 16.2602, 0.2627,
0.2715

■ 6.0687, 0.1829,
0.1528

■ 19.3032, 0.2795,
0.2919

■ 4.9195, 0.1724,
0.1308

■ 22.7139, 0.2956,
0.3104

■ 4.1100, 0.1649,
0.1137

■ 26.5046, 0.3107,
0.3269

■ 30.6871, 0.3248,
0.3416

■ 35.2726, 0.3377,
0.3545

■ 40.2720, 0.3495,
0.3658

■ 45.6956, 0.3603,
0.3757

Harmonies

Analogous

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



11.2236, 0.1997, 0.2398



11.2236, 0.2281, 0.2257



11.2236, 0.2801, 0.2347

Triad

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



11.2236, 0.2281, 0.2257



11.2236, 0.4441, 0.3556



11.2236, 0.2702, 0.4115

Complementary

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



11.2236, 0.2281, 0.2257



18.9234, 0.4058, 0.4128

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.



11.2236, 0.3340, 0.4497



11.2236, 0.2281, 0.2257



11.2236, 0.4370, 0.4051

Square

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



11.2236, 0.2281, 0.2257



11.2236, 0.4104, 0.3057



11.2236, 0.3953, 0.4428



11.2236, 0.2211, 0.3437

Rectangle

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



11.2236, 0.2281, 0.2257



11.2236, 0.3243, 0.2517



11.2236, 0.3953, 0.4428



11.2236, 0.2906, 0.4290

Sweetspot

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



11.2240, 0.2281, 0.2257



37.5980, 0.2894, 0.3033



21.8871, 0.2673, 0.3821



8.1495, 0.2864, 0.2999



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



11.2240, 0.2281, 0.2257



15.6030, 0.2084, 0.1965



7.9232, 0.2303, 0.1768



5.5375, 0.2990, 0.3141



3.7215, 0.1652, 0.1145



0.0735, 0.1879, 0.1966

Inverse Universe

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



10.8234, 0.4028, 0.2848



15.5892, 0.4370, 0.2771



24.6083, 0.3722, 0.4552



5.4526, 0.3231, 0.3215



5.3620, 0.5545, 0.2828



0.0551, 0.4492, 0.2248

Previews

White Background



This preview shows how the Yxy color 11.2236, 0.2281, 0.2257 looks on a white background.

Color Contrast Check

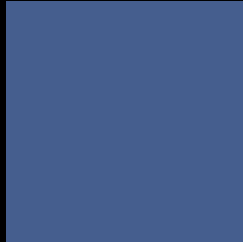
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.2236, 0.2281, 0.2257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

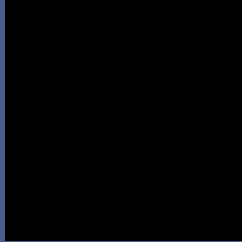
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

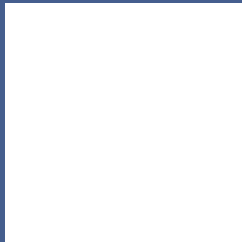
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 11.2236, 0.2281, 0.2257

Background



This preview shows how black text looks on a background with the Yxy color 11.2236, 0.2281, 0.2257.

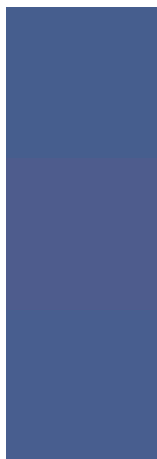


This preview shows how white text looks on a background with the Yxy color 11.2236, 0.2281, 0.2257.

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

11.2236, 0.2281, 0.2257

Protanopia

11.1552, 0.2359, 0.2250

Deuteranopia

11.2980, 0.2299, 0.2262



Tritanopia

11.3110, 0.2500, 0.3087

Trichromacy



Original Color

11.2236, 0.2281, 0.2257

Protanomaly

11.2076, 0.2332, 0.2264

Deuteranomaly

11.2605, 0.2290, 0.2260

Tritanomaly

11.1400, 0.2411, 0.2739

Monochromacy



Original Color

11.2236, 0.2281, 0.2257

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.8393, 0.2768, 0.2889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2236, 0.2281, 0.2257 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(69, 94, 142)` looks like.

```
.text, #text, p{  
    color:rgb(69, 94, 142)  
}
```

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(69, 94, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 94, 142) }
```

Border

The CSS property to change the border of an element to Yxy 11.2236, 0.2281, 0.2257 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(69, 94, 142) }
```

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

```
.border{ border-color:rgb(69, 94, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 94, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 94, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 94, 142);  
box-shadow:4px 4px 4px 4px rgb(69, 94,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2236, 0.2281, 0.2257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 94, 142) }
```

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

```
.background{ background-color: rgb(69, 94,  
142) }
```

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