

Converting Colors

$Y_{xy}(11.8645, 0.2174, 0.2288)$

Have a look what the booklet for
Yxy(11.8645, 0.2174, 0.2288)
contains.

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Color

Yxy(11.8398, 0.2169, 0.2277)

Conversions

Conversions Part 1

Format	Color
Hex	386392
RGB	56, 99, 146
RGB Percent	22%, 39%, 57%
CMY	0.7806, 0.6117, 0.4275
CMYK	0.62, 0.32, 0.00, 0.43
HSL	211°, 45%, 40%
HSV	211°, 62%, 57%
XYZ	11.2782, 11.8398, 28.8793
YIQ	91.5010, -40.7150, 5.5010

Conversions

Conversions Part 2

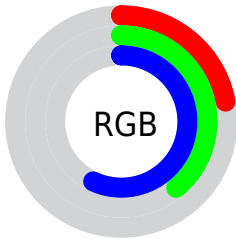
Format	Color
R_{YB}	56, 85, 146
Decimal	3695506
CIE _{Lab}	40.96, 0.18, -30.29
CIE _{LCh}	41, 30.294, 270.342
Yxy	11.8398, 0.2169, 0.2277
Android (android.graphics.Color)	4281885586 (0xFF386392)
YUV	91.5010, 26.8680, -31.1344
Hunter-Lab	34.4090, -1.7089, -25.6755

Details

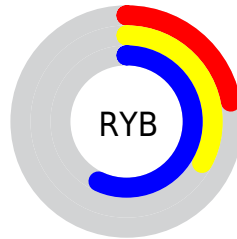
The Yxy color **11.8398, 0.2169, 0.2277** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.0820, 0.4417, 0.4080**, and the grayscale version is **10.5245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3623, 0.2402, 0.2529**, and **3.3724, 0.1854, 0.1872** is the 20% darker color. If you saturate the color by 10%, you get **10.1034, 0.2035, 0.2078**, and if you desaturate by 10%, it is **13.8358, 0.2317, 0.2471**.

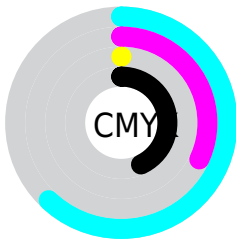
Distribution



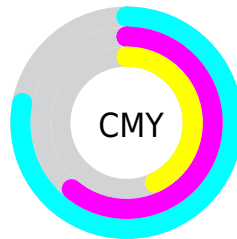
- Red (22%)
- Green (39%)
- Blue (57%)



- Red (22%)
- Yellow (33%)
- Blue (57%)



- Cyan (62%)
- Magenta (32%)
- Yellow (0%)
- Black (43%)



- Cyan (78%)
- Magenta (61%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.8398, 0.2169, 0.2277 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 11.8398, 0.2169, 0.2277 by changing the saturation by 10% instead.

■ 11.8398, 0.2169,
0.2277

■ 11.8398, 0.2169,
0.2277

■ 203.3418, 0.2734,
0.2874

■ 6.6347, 0.1994,
0.2093

■ 29.2030, 0.2398,
0.2519

■ 3.2347, 0.1750,
0.1835

■ 42.1299, 0.2477,
0.2602

■ 1.2555, 0.1392,
0.1457

■ 58.3995, 0.2540,
0.2669

■ 0.1063, 0.0342,
0.0345

■ 78.3961, 0.2593,
0.2725

■ 0.0000, 0.0000,
0.0000

■ 102.5043, 0.2637,
0.2771

■ 131.1084, 0.2674,

0.2811

164.5928, 0.2706,
0.2845

■ 11.8398, 0.2169,
0.2277

■ 11.8398, 0.2169,
0.2277

■ 10.1034, 0.2035,
0.2078

■ 13.8358, 0.2317,
0.2471

■ 8.6107, 0.1919,
0.1881

■ 16.1036, 0.2474,
0.2657

■ 7.3451, 0.1826,
0.1690

■ 18.6556, 0.2634,
0.2831

■ 6.4319, 0.1760,
0.1537

■ 21.5033, 0.2795,
0.2992

■ 24.6573, 0.2952,
0.3138

■ 28.1275, 0.3103,
0.3269

■ 31.9235, 0.3246,
0.3387

■ 36.0544, 0.3381,
0.3491

■ 40.5289, 0.3508,
0.3582

Harmonies

Analogous

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



11.8398, 0.1964, 0.2496



11.8398, 0.2169, 0.2277



11.8398, 0.2620, 0.2299

Triad

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



11.8398, 0.2169, 0.2277



11.8398, 0.4376, 0.3398



11.8398, 0.2892, 0.4276

Complementary

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



11.8398, 0.2169, 0.2277



16.0820, 0.4417, 0.4080

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.



11.8398, 0.3540, 0.4517



11.8398, 0.2169, 0.2277



11.8398, 0.4431, 0.3903

Square

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



11.8398, 0.2169, 0.2277



11.8398, 0.3928, 0.2915



11.8398, 0.4108, 0.4332



11.8398, 0.2341, 0.3656

Rectangle

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



11.8398, 0.2169, 0.2277



11.8398, 0.3033, 0.2430



11.8398, 0.4108, 0.4332



11.8398, 0.3106, 0.4408

Sweetspot

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



11.8402, 0.2169, 0.2277



39.1652, 0.2831, 0.3027



22.3619, 0.2706, 0.4224



8.4079, 0.2790, 0.2988



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.



11.8402, 0.2169, 0.2277



16.7694, 0.1988, 0.2002



5.7825, 0.1981, 0.1378



6.0631, 0.2989, 0.3172



5.7053, 0.1763, 0.1546



0.1282, 0.1982, 0.2336

Inverse Universe

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



9.8351, 0.4058, 0.2572



14.2395, 0.4391, 0.2485



26.8119, 0.3953, 0.4695



5.8588, 0.3212, 0.3185



5.7693, 0.5000, 0.2528



0.0765, 0.4089, 0.2026

Previews

White Background



This preview shows how the Yxy color 11.8398, 0.2169, 0.2277 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 11.8398, 0.2169, 0.2277 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 11.8398, 0.2169, 0.2277

Background



This preview shows how black text looks on a background with the Yxy color 11.8398, 0.2169, 0.2277.

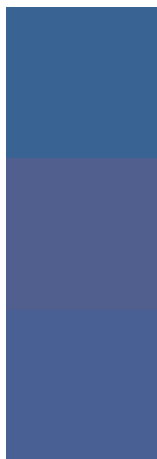


This preview shows how white text looks on a background with the Yxy color 11.8398, 0.2169, 0.2277.

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

11.8398, 0.2169, 0.2277

Protanopia

11.8429, 0.2392, 0.2306

Deuteranopia

11.8500, 0.2278, 0.2226



Tritanopia

11.7895, 0.2338, 0.3061

Trichromacy



Original Color

11.8398, 0.2169, 0.2277

Protanomaly

11.6885, 0.2299, 0.2290

Deuteranomaly

11.8142, 0.2230, 0.2235

Tritanomaly

11.7877, 0.2264, 0.2739

Monochromacy



Original Color

11.8398, 0.2169, 0.2277

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.7728, 0.2679, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8398, 0.2169, 0.2277 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, 99, 146)` looks like.

```
.text, #text, p{  
    color:rgb(56, 99, 146)  
}
```

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, 99, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 99, 146) }
```

Border

The CSS property to change the border of an element to Yxy 11.8398, 0.2169, 0.2277 is called "border". The border property can be set on classes, ids or directly on the HTML element.

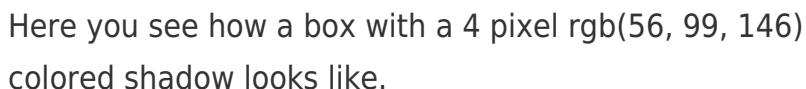
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(56, 99, 146) }
```

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

```
.border{ border-color:rgb(56, 99, 146) }
```

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



Here you see how a box with a 4 pixel `rgb(56, 99, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 99, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 99, 146);  
box-shadow:4px 4px 4px 4px rgb(56, 99,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8398, 0.2169, 0.2277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 99, 146) }
```

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

```
.background{ background-color: rgb(56, 99,  
146) }
```

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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