

Converting Colors

$Y_{xy}(13.6120, 0.2128, 0.2300)$

Have a look what the booklet for
Yxy(13.6120, 0.2128, 0.2300)
contains.

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Color

Yxy(13.6120, 0.2128, 0.2300)

Conversions

Conversions Part 1

Format	Color
Hex	346B9B
RGB	52, 107, 155
RGB Percent	20%, 42%, 61%
CMY	0.7957, 0.5804, 0.3921
CMYK	0.66, 0.31, 0.00, 0.39
HSL	208°, 50%, 41%
HSV	208°, 66%, 61%
XYZ	12.5941, 13.6120, 32.9765
YIQ	96.0270, -48.1880, 3.2680

Conversions

Conversions Part 2

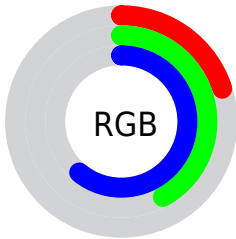
Format	Color
R_{YB}	52, 88, 155
Decimal	3435419
CIE _{Lab}	43.67, -2.30, -31.43
CIE _{LCh}	44, 31.513, 265.818
Yxy	13.6120, 0.2128, 0.2300
Android (android.graphics.Color)	4281625499 (0xFF346B9B)
YUV	96.0270, 29.0737, -38.6117
Hunter-Lab	36.8944, -3.6336, -27.1678

Details

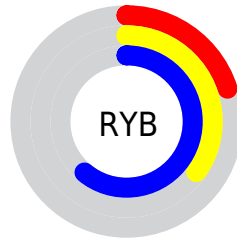
The Yxy color **13.6120, 0.2128, 0.2300** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.3539, 0.4620, 0.4039**, and the grayscale version is **11.6468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3581, 0.2354, 0.2525**, and **4.2110, 0.1872, 0.1940** is the 20% darker color. If you saturate the color by 10%, you get **11.8203, 0.2010, 0.2121**, and if you desaturate by 10%, it is **15.6659, 0.2263, 0.2476**.

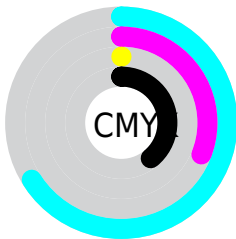
Distribution



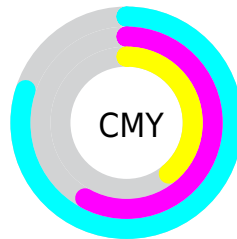
- Red (20%)
- Green (42%)
- Blue (61%)



- Red (20%)
- Yellow (35%)
- Blue (61%)



- Cyan (66%)
- Magenta (31%)
- Yellow (0%)
- Black (39%)



- Cyan (80%)
- Magenta (58%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.6120, 0.2128, 0.2300 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 13.6120, 0.2128, 0.2300 by changing the saturation by 10% instead.

■ 13.6120, 0.2128,
0.2300

■ 13.6120, 0.2128,
0.2300

■ 214.8035, 0.2704,
0.2876

■ 7.8513, 0.1957,
0.2127

■ 32.3990, 0.2357,
0.2531

■ 3.9999, 0.1723,
0.1888

■ 46.1940, 0.2437,
0.2611

■ 1.6735, 0.1389,
0.1543

■ 63.4360, 0.2502,
0.2676

■ 0.4064, 0.0728,
0.0896

■ 84.5093, 0.2557,
0.2729

■ 0.0000, 0.0000,
0.0000

■ 109.7983, 0.2602,
0.2775

■ 139.6874, 0.2641,

0.2813

174.5610, 0.2675,
0.2847

■ 13.6120, 0.2128,
0.2300

■ 13.6120, 0.2128,
0.2300

■ 11.8203, 0.2010,
0.2121

■ 15.6659, 0.2263,
0.2476

■ 10.2727, 0.1912,
0.1944

■ 17.9955, 0.2409,
0.2646

■ 8.9459, 0.1835,
0.1773

■ 20.6148, 0.2564,
0.2807

■ 8.5048, 0.1809,
0.1712

■ 23.5362, 0.2721,
0.2956

■ 26.7713, 0.2878,
0.3093

■ 30.3309, 0.3032,
0.3217

■ 34.2253, 0.3180,
0.3329

■ 38.4642, 0.3322,
0.3428

■ 43.0571, 0.3456,
0.3516

Harmonies

Analogous

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



13.6120, 0.1962, 0.2557



13.6120, 0.2128, 0.2300



13.6120, 0.2541, 0.2288

Triad

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



13.6120, 0.2128, 0.2300



13.6120, 0.4323, 0.3323



13.6120, 0.2989, 0.4333

Complementary

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



13.6120, 0.2128, 0.2300



16.3539, 0.4620, 0.4039

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.



13.6120, 0.3632, 0.4505



13.6120, 0.2128, 0.2300



13.6120, 0.4440, 0.3826

Square

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



13.6120, 0.2128, 0.2300



13.6120, 0.3830, 0.2852



13.6120, 0.4170, 0.4272



13.6120, 0.2417, 0.3759

Rectangle

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



13.6120, 0.2128, 0.2300



13.6120, 0.2935, 0.2398



13.6120, 0.4170, 0.4272



13.6120, 0.3204, 0.4442

Sweetspot

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



13.6125, 0.2128, 0.2300



45.5552, 0.2815, 0.3040



25.0670, 0.2738, 0.4467



9.9690, 0.2774, 0.3004



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



13.6125, 0.2128, 0.2300



19.6821, 0.1956, 0.2029



6.0494, 0.1892, 0.1299



6.5445, 0.2989, 0.3184



6.9074, 0.1813, 0.1726



0.1761, 0.2013, 0.2446

Inverse Universe

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



10.4950, 0.4056, 0.2446



15.5301, 0.4384, 0.2368



28.9863, 0.4066, 0.4710



6.2750, 0.3205, 0.3172



6.1026, 0.4775, 0.2404



0.0986, 0.3976, 0.1964

Previews

White Background



This preview shows how the Yxy color 13.6120, 0.2128, 0.2300 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 13.6120, 0.2128, 0.2300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

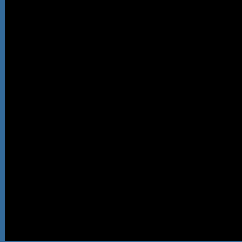
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6120, 0.2128, 0.2300

Background



This preview shows how black text looks on a background with the Yxy color 13.6120, 0.2128, 0.2300.

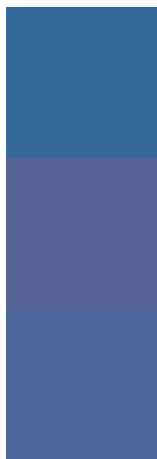


This preview shows how white text looks on a background with the Yxy color 13.6120, 0.2128, 0.2300.

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

13.6120, 0.2128, 0.2300

Protanopia

13.5356, 0.2415, 0.2320

Deuteranopia

13.4808, 0.2279, 0.2224



Tritanopia

13.5225, 0.2274, 0.3071

Trichromacy



Original Color

13.6120, 0.2128, 0.2300

Protanomaly

13.4233, 0.2286, 0.2300

Deuteranomaly

13.5299, 0.2214, 0.2247

Tritanomaly

13.5214, 0.2212, 0.2763

Monochromacy



Original Color

13.6120, 0.2128, 0.2300

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.1042, 0.2652, 0.2898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6120, 0.2128, 0.2300 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(52, 107, 155)` looks like.

```
.text, #text, p{  
    color:rgb(52, 107, 155)  
}
```

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(52, 107, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 107, 155) }
```

Border

The CSS property to change the border of an element to Yxy 13.6120, 0.2128, 0.2300 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(52, 107, 155) }
```

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

```
.border{ border-color:rgb(52, 107, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 107, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 107, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 107, 155);  
box-shadow:4px 4px 4px 4px rgb(52, 107,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6120, 0.2128, 0.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 107, 155) }
```

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

```
.background{ background-color: rgb(52, 107,  
155) }
```

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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