

Converting Colors

$Yxy(12.9655, 0.1975, 0.2311)$

Have a look what the booklet for
Yxy(12.9655, 0.1975, 0.2311)
contains.

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Color

$Y_{xy}(13.0250, 0.1977, 0.2318)$

Conversions

Conversions Part 1

Format	Color
Hex	006C99
RGB	0, 108, 153
RGB Percent	0%, 42%, 60%
CMY	1.0000, 0.5764, 0.4001
CMYK	1.00, 0.29, 0.00, 0.40
HSL	198°, 100%, 30%
HSV	198°, 100%, 60%
XYZ	11.1089, 13.0250, 32.0568
YIQ	80.8380, -78.8130, -8.9010

Conversions

Conversions Part 2

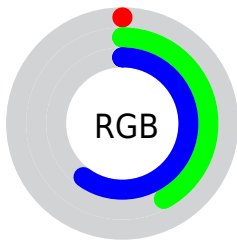
Format	Color
RYB	0, 63, 153
Decimal	27801
CIELab	42.80, -8.99, -31.67
CIELCh	43, 32.921, 254.155
Yxy	13.0250, 0.1977, 0.2318
Android (android.graphics.Color)	4278217881 (0xFF006C99)
YUV	80.8380, 35.5759, -70.8949
Hunter-Lab	36.0902, -8.2138, -27.4007

Details

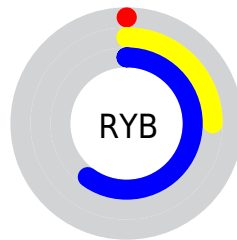
The Yxy color **13.0250, 0.1977, 0.2318** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **8.6448, 0.5951, 0.3657**, and the grayscale version is **8.1360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2816, 0.2237, 0.2542**, and **4.2968, 0.1887, 0.1994** is the 20% darker color. If you saturate the color by 10%, you get **13.0267, 0.1977, 0.2318**, and if you desaturate by 10%, it is **14.1041, 0.2030, 0.2426**.

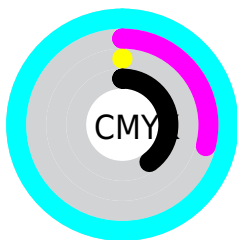
Distribution



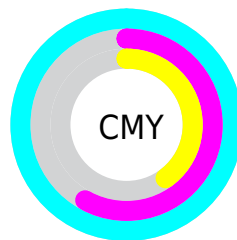
- Red (0%)
- Green (42%)
- Blue (60%)



- Red (0%)
- Yellow (25%)
- Blue (60%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (40%)





- Cyan (100%)
- Magenta (58%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0250, 0.1977, 0.2318 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 13.0250, 0.1977, 0.2318 by changing the saturation by 10% instead.


 13.0250, 0.1977,
0.2318


 13.0250, 0.1977,
0.2318


 211.0778, 0.2637,
0.2894

 7.4458, 0.1784,
0.2140


 31.3487, 0.2238,
0.2552


 3.7424, 0.1523,
0.1891

 44.8619, 0.2330,
0.2632


 1.5305, 0.1160,
0.1529

 61.7886, 0.2405,
0.2697

 0.3101, 0.0190,
0.0782

 82.5132, 0.2467,
0.2751

 0.0000, 0.0000,
0.0000

 107.4200, 0.2519,
0.2795

 136.8934, 0.2564,

0.2833

171.3179, 0.2603,
0.2866

■ 13.0250, 0.1977,
0.2318

■ 13.0250, 0.1977,
0.2318

■ 13.0267, 0.1977,
0.2318

■ 14.1041, 0.2030,
0.2426

■ 15.3081, 0.2097,
0.2535

■ 16.6747, 0.2183,
0.2644

■ 18.2189, 0.2287,
0.2752

■ 19.9534, 0.2407,
0.2856

■ 21.8896, 0.2539,
0.2956

■ 24.0377, 0.2680,
0.3050

■ 26.4074, 0.2827,
0.3137

■ 29.0073, 0.2977,
0.3217

Harmonies

Analogous

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



13.0250, 0.1907, 0.2691



13.0250, 0.1977, 0.2318



13.0250, 0.2310, 0.2213

Triad

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



13.0250, 0.1977, 0.2318



13.0250, 0.4232, 0.3119



13.0250, 0.3241, 0.4532

Complementary

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



13.0250, 0.1977, 0.2318



8.6448, 0.5951, 0.3657

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.



13.0250, 0.3899, 0.4519



13.0250, 0.1977, 0.2318



13.0250, 0.4522, 0.3641

Square

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



13.0250, 0.1977, 0.2318



13.0250, 0.3601, 0.2661



13.0250, 0.4380, 0.4151



13.0250, 0.2588, 0.4063

Rectangle

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



13.0250, 0.1977, 0.2318



13.0250, 0.2670, 0.2274



13.0250, 0.4380, 0.4151



13.0250, 0.3469, 0.4581

Sweetspot

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



13.0267, 0.1977, 0.2318



42.8219, 0.2672, 0.3044



22.9530, 0.2892, 0.5611



9.1201, 0.2617, 0.3009



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



13.0267, 0.1977, 0.2318



23.0017, 0.1972, 0.2298



3.3951, 0.1568, 0.0846



6.7197, 0.2989, 0.3223



10.8288, 0.1980, 0.2326



0.2238, 0.2111, 0.2801

Inverse Universe

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



7.8533, 0.4107, 0.2036



14.0347, 0.4129, 0.2048



20.1636, 0.4629, 0.4707



6.2927, 0.3180, 0.3134



6.4985, 0.4099, 0.2032



0.1034, 0.3634, 0.1776

Previews

White Background



This preview shows how the Yxy color 13.0250, 0.1977, 0.2318 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 13.0250, 0.1977, 0.2318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

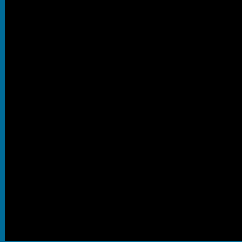
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0250, 0.1977, 0.2318

Background



This preview shows how black text looks on a background with the Yxy color 13.0250, 0.1977, 0.2318.

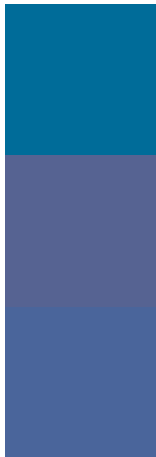


This preview shows how white text looks on a background with the Yxy color 13.0250, 0.1977, 0.2318.

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

13.0250, 0.1977, 0.2318

Protanopia

12.9774, 0.2432, 0.2340

Deuteranopia

13.1298, 0.2256, 0.2212



Tritanopia

12.9688, 0.2185, 0.3065

Trichromacy



Original Color

13.0250, 0.1977, 0.2318

Protanomaly

12.4849, 0.2158, 0.2292

Deuteranomaly

12.8381, 0.2090, 0.2244

Tritanomaly

13.0623, 0.2103, 0.2769

Monochromacy



Original Color

13.0250, 0.1977, 0.2318

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.2738, 0.2413, 0.2865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0250, 0.1977, 0.2318 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(0, 108, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 153)  
}
```

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(0, 108, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 153) }
```

Border

The CSS property to change the border of an element to Yxy 13.0250, 0.1977, 0.2318 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(0, 108, 153) }
```

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

```
.border{ border-color:rgb(0, 108, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0250, 0.1977, 0.2318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 153) }
```

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

```
.background{ background-color: rgb(0, 108,  
153) }
```

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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