

Converting Colors

$Yxy(12.2688, 0.1888, 0.1987)$

Have a look what the booklet for
Yxy(12.2688, 0.1888, 0.1987)
contains.

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Color

Yxy(12.2688, 0.1888, 0.1987)

Conversions

Conversions Part 1

Format	Color
Hex	0266A6
RGB	2, 102, 166
RGB Percent	1%, 40%, 65%
CMY	0.9921, 0.6000, 0.3491
CMYK	0.99, 0.39, 0.00, 0.35
HSL	203°, 98%, 33%
HSV	203°, 99%, 65%
XYZ	11.6575, 12.2688, 37.8190
YIQ	79.3960, -80.1440, -1.2960

Conversions

Conversions Part 2

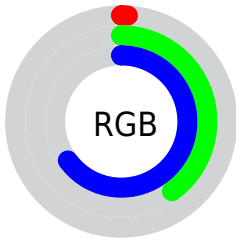
Format	Color
RYB	2, 64, 166
Decimal	157350
CIELab	41.64, -0.03, -41.21
CIELCh	42, 41.208, 269.964
Yxy	12.2688, 0.1888, 0.1987
Android (android.graphics.Color)	4278347430 (0xFF0266A6)
YUV	79.3960, 42.6958, -67.8763
Hunter-Lab	35.0268, -1.8892, -39.4975

Details

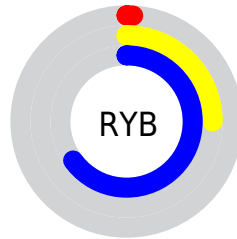
The Yxy color **12.2688, 0.1888, 0.1987** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **12.0041, 0.5680, 0.3856**, and the grayscale version is **7.8279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1311, 0.2164, 0.2280**, and **4.0433, 0.1783, 0.1620** is the 20% darker color. If you saturate the color by 10%, you get **12.1023, 0.1881, 0.1969**, and if you desaturate by 10%, it is **13.7139, 0.1952, 0.2132**.

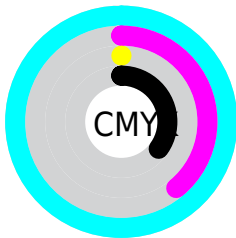
Distribution



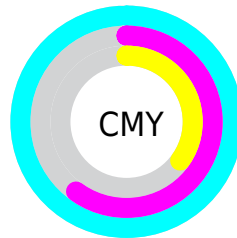
- Red (1%)
- Green (40%)
- Blue (65%)



- Red (1%)
- Yellow (25%)
- Blue (65%)



- Cyan (99%)
- Magenta (39%)
- Yellow (0%)
- Black (35%)



- Cyan (99%)
- Magenta (60%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2688, 0.1888, 0.1987 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 12.2688, 0.1888, 0.1987 by changing the saturation by 10% instead.

■ 12.2688, 0.1888,
0.1987

■ 12.2688, 0.1888,
0.1987

■ 206.1768, 0.2598,
0.2734

■ 6.9270, 0.1685,
0.1774

■ 29.9837, 0.2167,
0.2280

■ 3.4165, 0.1416,
0.1491

■ 43.1257, 0.2265,
0.2384

■ 1.3528, 0.1054,
0.1110

■ 59.6365, 0.2346,
0.2469

■ 0.1816, 0.0321,
0.0339

■ 79.9005, 0.2414,
0.2540

■ 0.0000, 0.0000,
0.0000

■ 104.3021, 0.2470,
0.2600

■ 133.2258, 0.2519,

0.2651

167.0559, 0.2561,
0.2695

■ 12.2688, 0.1888,
0.1987

■ 12.2688, 0.1888,
0.1987

■ 12.1023, 0.1881,
0.1969

■ 13.7139, 0.1952,
0.2132

■ 15.3651, 0.2034,
0.2280

■ 17.2576, 0.2137,
0.2430

■ 19.4106, 0.2257,
0.2577

■ 21.8407, 0.2391,
0.2719

■ 24.5627, 0.2536,
0.2855

■ 27.5902, 0.2687,
0.2982

■ 30.9359, 0.2841,
0.3098

■ 34.6113, 0.2994,
0.3205

Harmonies

Analogous

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



12.2688, 0.1641, 0.2239



12.2688, 0.1888, 0.1987



12.2688, 0.2442, 0.2024

Triad

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



12.2688, 0.1888, 0.1987



12.2688, 0.4796, 0.3373



12.2688, 0.2791, 0.4675

Complementary

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



12.2688, 0.1888, 0.1987



12.0041, 0.5680, 0.3856

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.



12.2688, 0.3631, 0.4951



12.2688, 0.1888, 0.1987



12.2688, 0.4841, 0.4009

Square

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



12.2688, 0.1888, 0.1987



12.2688, 0.4189, 0.2781



12.2688, 0.4383, 0.4610



12.2688, 0.2090, 0.3788

Rectangle

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



12.2688, 0.1888, 0.1987



12.2688, 0.2975, 0.2186



12.2688, 0.4383, 0.4610



12.2688, 0.3067, 0.4850

Sweetspot

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



12.2692, 0.1888, 0.1987



49.0730, 0.2660, 0.2960



27.6574, 0.2819, 0.5338



10.4765, 0.2598, 0.2909



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



12.2692, 0.1888, 0.1987



21.5486, 0.1873, 0.1944



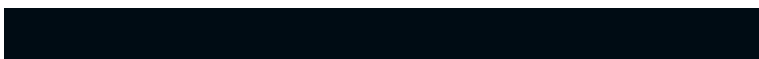
3.3070, 0.1533, 0.0706



8.0332, 0.2987, 0.3200



9.4801, 0.1884, 0.1982



0.3257, 0.2018, 0.2464

Inverse Universe

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



9.1078, 0.4466, 0.2242



16.3843, 0.4517, 0.2262



28.9294, 0.4406, 0.4876



7.6163, 0.3194, 0.3153



7.0281, 0.4473, 0.2238



0.1806, 0.3958, 0.1954

Previews

White Background



This preview shows how the Yxy color 12.2688, 0.1888, 0.1987 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 12.2688, 0.1888, 0.1987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

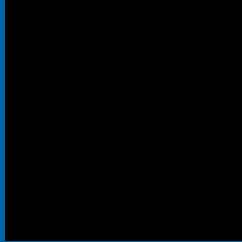
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2688, 0.1888, 0.1987

Background



This preview shows how black text looks on a background with the Yxy color 12.2688, 0.1888, 0.1987.



This preview shows how white text looks on a background with the Yxy color 12.2688, 0.1888, 0.1987.

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

12.2688, 0.1888, 0.1987

Protanopia

12.2815, 0.2185, 0.2033

Deuteranopia

12.3421, 0.2000, 0.1951



Tritanopia

12.2216, 0.2190, 0.3084

Trichromacy



Original Color

12.2688, 0.1888, 0.1987

Protanomaly

11.9483, 0.2015, 0.1996

Deuteranomaly

12.1957, 0.1933, 0.1949

Tritanomaly

12.0638, 0.2058, 0.2603

Monochromacy



Original Color

12.2688, 0.1888, 0.1987

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.6679, 0.2343, 0.2657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2688, 0.1888, 0.1987 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(2, 102, 166)` looks like.

```
.text, #text, p{  
    color:rgb(2, 102, 166)  
}
```

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(2, 102, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 102, 166) }
```

Border

The CSS property to change the border of an element to Yxy 12.2688, 0.1888, 0.1987 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(2, 102, 166) }
```

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

```
.border{ border-color:rgb(2, 102, 166) }
```

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

Here you see how a box with a 4 pixel rgb(2, 102, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 102, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 102, 166);  
box-shadow:4px 4px 4px 4px rgb(2, 102,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2688, 0.1888, 0.1987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 102, 166) }
```

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

```
.background{ background-color: rgb(2, 102,  
166) }
```

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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