Converting Colors

Yxy(1.5815, 0.1603, 0.0657)

Have a look what the booklet for Yxy(1.5815, 0.1603, 0.0657) contains.

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Color

Yxy(1.5757, 0.1606, 0.0658)

Conversions

Conversions Part 1

Format	Color
Hex	16007A
RGB	22, 0, 122
RGB Percent	9%, 0%, 48%
CMY	0.9136, 1.0000, 0.5214
CMYK	0.82, 1.00, 0.00, 0.52
HSL	251°, 100%, 24%
HSV	251°, 100%, 48%
XYZ	3.8459, 1.5757, 18.5253
YIQ	20.4860, -26.0500, 42.6060

Conversions

Conversions Part 2

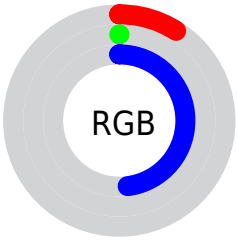
Format	Color
RYB	22, 0, 122
Decimal	1441914
CIELab	13.08, 46.30, -60.68
CIELCh	13, 76.331, 307.345
Yxy	1.5757, 0.1606, 0.0658
Android (android.graphics.Color)	4279631994 (0xFF16007A)
YUV	20.4860, 50.0464, 1.3278
Hunter-Lab	12.5527, 32.7211, -78.7133

Details

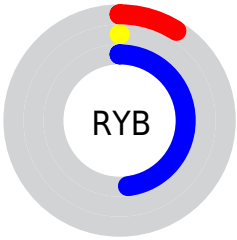
The Yxy color 1.5757, 0.1606, 0.0658 is a dark color, and the websafe version is hex 000066. A complement of this color would be 16.6373, 0.3889, 0.5294, and the grayscale version is 0.7012, 0.3127, 0.3290.

A 20% lighter version of the original color is 7.5769, 0.2088, 0.1213, and 0.4679, 0.1500, 0.0600 is the 20% darker color. If you saturate the color by 10%, you get 1.5770, 0.1606, 0.0658, and if you desaturate by 10%, it is 1.9815, 0.1711, 0.0799.

Distribution

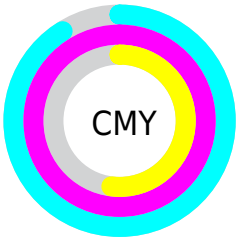


- Red (9%)
- Green (0%)
- Blue (48%)



- Red (9%)
- Yellow (0%)
- Blue (48%)

- Cyan (82%)
- Magenta (100%)
- Yellow (0%)
- Black (52%)



- Cyan (91%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 1.5757, 0.1606, 0.0658 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 1.5757, 0.1606, 0.0658 by changing the saturation by 10% instead.

1.5757, 0.1606, 0.0658

108.1828, 0.2678, 0.2174

7.5749, 0.2090, 0.1215

13.2123, 0.2244, 0.1430

21.1208, 0.2361, 0.1610

31.6847, 0.2453, 0.1761

45.2885, 0.2526, 0.1889

62.3165, 0.2586,

1.5757, 0.1606, 0.0658

0.3411, 0.1232, 0.0260

0.0000, 0.0623, 0.0000

0.0000, 0.0000, 0.0000

0.1998

83.1531, 0.2636, 0.2092

1.5757, 0.1606, 0.0658

1.5770, 0.1606, 0.0658

1.5757, 0.1606, 0.0658

1.9815, 0.1711, 0.0799

2.5691, 0.1846, 0.0987

3.4360, 0.2007, 0.1235

4.6123, 0.2185, 0.1529

6.1244, 0.2369, 0.1846

7.9956, 0.2549, 0.2169

10.2472, 0.2717, 0.2483

12.8988, 0.2871, 0.2777

15.9687, 0.3007, 0.3047

Harmonies

Analogous

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

1.5757, 0.0613, 0.0515

1.5757, 0.1606, 0.0658

1.5757, 0.4038, 0.1115

Triad

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

1.5757, 0.1606, 0.0658

1.5757, 0.6414, 0.3586

1.5757, 0.0000, 0.3501

Complementary

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

1.5757, 0.1606, 0.0658

16.6373, 0.3889, 0.5294

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.

1.5757, 0.0000, 1.0000

1.5757, 0.1606, 0.0658

1.5757, 0.4270, 0.5730

Square

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

1.5757, 0.1606, 0.0658

1.5757, 0.7565, 0.2435

1.5757, 0.1351, 0.8649

1.5757, 0.0000, 0.1143

Rectangle

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

1.5757, 0.1606, 0.0658

1.5757, 0.6286, 0.1590

1.5757, 0.1351, 0.8649

1.5757, 0.0000, 0.5335

Sweetspot

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

1.5770, 0.1606, 0.0658

17.7075, 0.2705, 0.2461

10.8492, 0.2103, 0.2770

3.7304, 0.2650, 0.2356

62.0916, 0.3127, 0.3290

7.8288, 0.3127, 0.3290

Same Dimension

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

1.5770, 0.1606, 0.0658

2.7267, 0.1590, 0.0650

3.1712, 0.2411, 0.1102

3.9252, 0.3019, 0.3071

1.6564, 0.1605, 0.0658

7.6279, 0.1571, 0.0639

Inverse Universe

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

5.0603, 0.3705, 0.1815

8.8791, 0.3719, 0.1822

14.3926, 0.3195, 0.5846

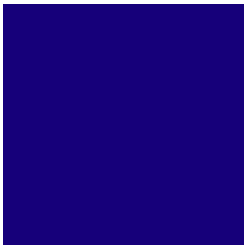
4.0657, 0.3162, 0.3116

5.3233, 0.3707, 0.1816

25.2784, 0.3737, 0.1832

Previews

White Background

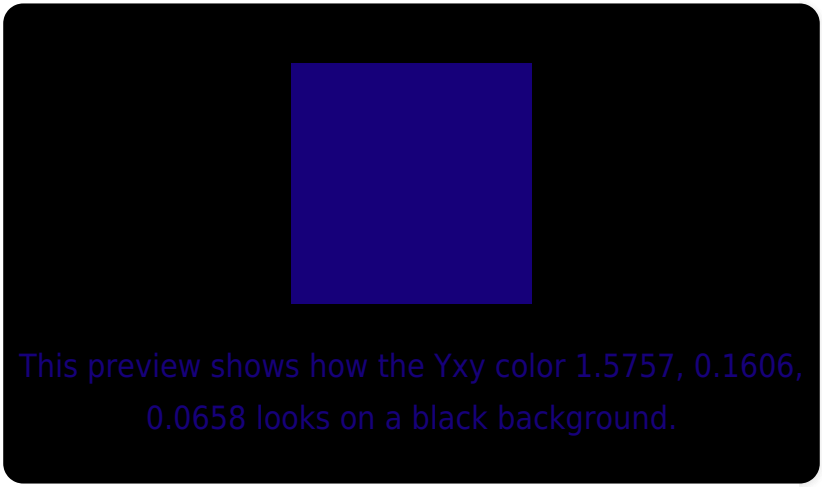


This preview shows how the Yxy color 1.5757, 0.1606, 0.0658 looks on a white background.

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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
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 1.5757, 0.1606, 0.0658

Background

This preview shows how black text looks on a background with the Yxy color 1.5757, 0.1606, 0.0658.

This preview shows how white text looks on a background with the Yxy color 1.5757, 0.1606, 0.0658.

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
1.5757, 0.1606, 0.0658

Protanopia
1.8590, 0.1797, 0.1670

Deuteranopia
1.8327, 0.1913, 0.2088

Tritanopia
1.8378, 0.2215, 0.3174

Trichromacy

Original Color
1.5757, 0.1606, 0.0658

Protanomaly
1.4952, 0.1667, 0.1037

Deuteranomaly
1.4188, 0.1700, 0.1134

Tritanomaly
1.3034, 0.1795, 0.1408

Monochromacy

Original Color
1.5757, 0.1606, 0.0658

Achromatopsia
0.6995, 0.3127, 0.3290

Achromatomaly
0.7427, 0.2025, 0.1262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 1.5757, 0.1606, 0.0658 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(22, 0, 122) looks like.

```
.text, #text, p{
    color:rgb(22, 0, 122)
}
```

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(22, 0, 122) colored shadow looks like.

Here you see how black text with a 4 pixel rgb(22, 0, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 0, 122) }
```

Border

The CSS property to change the border of an element to Yxy 1.5757, 0.1606, 0.0658 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(22, 0, 122) }
```

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

```
.border{ border-color:rgb(22, 0, 122) }
```

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

Here you see how a box with a 4 pixel rgb(22, 0, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(22, 0, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(22, 0, 122); box-shadow:4px 4px 4px 4px rgb(22, 0, 122) }
```

Background

The CSS property to change the background color of an element to Yxy 1.5757, 0.1606, 0.0658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(22, 0, 122) }
```

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

```
.background{ background-color:rgb(22, 0, 122) }
```

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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