Converting Colors

Yxy(3.0864, 0.1636, 0.1090)

Have a look what the booklet for Yxy(3.0864, 0.1636, 0.1090) contains.

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Color

Yxy(3.0499, 0.1635, 0.1087)

Conversions

Conversions Part 1

Format	Color
Hex	00287F
RGB	0, 40, 127
RGB Percent	0%, 16%, 50%
CMY	1.0000, 0.8431, 0.5020
CMYK	1.00, 0.68, 0.00, 0.50
HSL	221°, 100%, 25%
HSV	221°, 100%, 50%
XYZ	4.5875, 3.0499, 20.4206
YIQ	37.9580, -51.7670, 18.5770

Conversions

Conversions Part 2

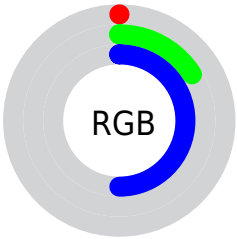
Format	Color
RYB	0, 30, 127
Decimal	10367
CIELab	20.24, 25.83, -51.99
CIELCh	20, 58.055, 296.416
Yxy	3.0499, 0.1635, 0.1087
Android (android.graphics.Color)	4278200447 (0xFF00287F)
YUV	37.9580, 43.8977, -33.2892
Hunter-Lab	17.4640, 16.3269, -57.1029

Details

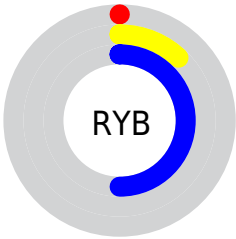
The Yxy color 3.0499, 0.1635, 0.1087 is a dark color, and the websafe version is hex 003399. A complement of this color would be 11.3220, 0.4858, 0.4525, and the grayscale version is 1.9008, 0.3127, 0.3290.

A 20% lighter version of the original color is 11.4529, 0.2065, 0.1606, and 0.5358, 0.1500, 0.0600 is the 20% darker color. If you saturate the color by 10%, you get 3.0508, 0.1635, 0.1087, and if you desaturate by 10%, it is 3.7881, 0.1727, 0.1288.

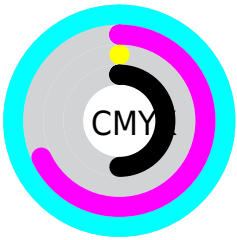
Distribution



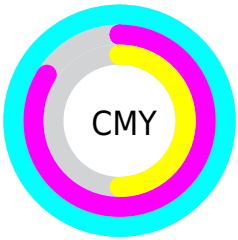
- Red (0%)
- Green (16%)
- Blue (50%)



- Red (0%)
- Yellow (12%)
- Blue (50%)



- Cyan (100%)
- Magenta (68%)
- Yellow (0%)
- Black (50%)



- Cyan (100%)
- Magenta (84%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 3.0499, 0.1635, 0.1087 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 3.0499, 0.1635, 0.1087 by changing the saturation by 10% instead.

3.0499, 0.1635, 0.1087

128.8974, 0.2624, 0.2402

11.3979, 0.2065, 0.1604

18.6225, 0.2206, 0.1790

28.3936, 0.2315, 0.1941

41.0953, 0.2402, 0.2066

57.1122, 0.2474, 0.2171

76.8285, 0.2533,

3.0499, 0.1635, 0.1087

1.1578, 0.1298, 0.0737

0.0269, 0.0857, 0.0035

0.0000, 0.0000, 0.0000

0.2260

100.6288, 0.2582, 0.2336

3.0499, 0.1635, 0.1087

3.0508, 0.1635, 0.1087

3.0499, 0.1635, 0.1087

3.7881, 0.1727, 0.1288

4.7108, 0.1840, 0.1514

5.8550, 0.1978, 0.1758

7.2362, 0.2136, 0.2011

8.8686, 0.2306, 0.2261

10.7651, 0.2480, 0.2502

12.9374, 0.2653, 0.2728

15.3968, 0.2820, 0.2935

18.1537, 0.2979, 0.3123

Harmonies

Analogous

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

3.0499, 0.0915, 0.1033

3.0499, 0.1635, 0.1087

3.0499, 0.3088, 0.1447

Triad

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

3.0499, 0.1635, 0.1087

3.0499, 0.6248, 0.3752

3.0499, 0.1094, 0.4663

Complementary

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

3.0499, 0.1635, 0.1087

11.3220, 0.4858, 0.4525

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.

3.0499, 0.2272, 0.7264

3.0499, 0.1635, 0.1087

3.0499, 0.5045, 0.4955

Square

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

3.0499, 0.1635, 0.1087

3.0499, 0.6507, 0.2892

3.0499, 0.3560, 0.6440

3.0499, 0.0648, 0.2296

Rectangle

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

3.0499, 0.1635, 0.1087

3.0499, 0.4468, 0.1864

3.0499, 0.3560, 0.6440

3.0499, 0.1396, 0.5659

Sweetspot

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

3.0508, 0.1635, 0.1087

22.8788, 0.2641, 0.2712

15.8595, 0.2534, 0.4322

5.0225, 0.2580, 0.2634

65.5931, 0.3127, 0.3290

8.8982, 0.3127, 0.3290

Same Dimension

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

3.0508, 0.1635, 0.1087

5.2210, 0.1624, 0.1047

1.7174, 0.1606, 0.0658

4.4158, 0.2993, 0.3138

3.0752, 0.1635, 0.1087

0.0000, 0.0000, 0.0000

Inverse Universe

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

4.6643, 0.5629, 0.2875

8.3301, 0.5688, 0.2907

18.1005, 0.3883, 0.5299

4.3649, 0.3233, 0.3222

4.7049, 0.5630, 0.2875

0.0000, 0.0000, 0.0000

Previews

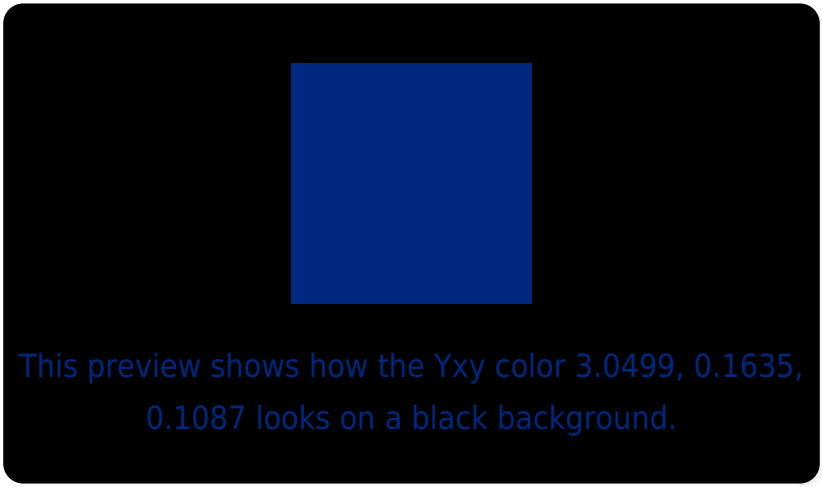
White Background

This preview shows how the Yxy color 3.0499, 0.1635, 0.1087 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 3.0499, 0.1635, 0.1087

Background

This preview shows how black text looks on a background with the Yxy color 3.0499, 0.1635, 0.1087.

This preview shows how white text looks on a background with the Yxy color 3.0499, 0.1635, 0.1087.

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
3.0499, 0.1635, 0.1087

Protanopia
3.0535, 0.1776, 0.1592

Deuteranopia
3.0395, 0.1891, 0.2007

Tritanopia
3.0379, 0.2208, 0.3150

Trichromacy

Original Color
3.0499, 0.1635, 0.1087

Protanomaly
3.0026, 0.1714, 0.1372

Deuteranomaly
2.9726, 0.1767, 0.1561

Tritanomaly
2.9057, 0.1901, 0.2045

Monochromacy

Original Color
3.0499, 0.1635, 0.1087

Achromatopsia
1.9382, 0.3127, 0.3290

Achromatomaly
2.0874, 0.2128, 0.2012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 3.0499, 0.1635, 0.1087 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, 40, 127) looks like.

```
.text, #text, p{
    color:rgb(0, 40, 127)
}
```

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, 40, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 40, 127) }
```

Border

The CSS property to change the border of an element to Yxy 3.0499, 0.1635, 0.1087 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, 40, 127) }
```

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

```
.border{ border-color:rgb(0, 40, 127) }
```

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

Here you see how a box with a 4 pixel rgb(0, 40, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 40, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 40, 127); box-shadow:4px 4px 4px 4px rgb(0, 40, 127) }
```

Background

The CSS property to change the background color of an element to Yxy 3.0499, 0.1635, 0.1087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(0, 40, 127) }
```

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

```
.background{ background-color:rgb(0, 40, 127) }
```

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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