

Converting Colors

$Y_{xy}(10.2097, 0.1659, 0.0972)$

Have a look what the booklet for
Yxy(10.2097, 0.1659, 0.0972)
contains.

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Color

Yxy(10.1940, 0.1660, 0.0971)

Conversions

Conversions Part 1

Format	Color
Hex	2942E8
RGB	41, 66, 232
RGB Percent	16%, 26%, 91%
CMY	0.8386, 0.7412, 0.0904
CMYK	0.82, 0.72, 0.00, 0.09
HSL	232°, 81%, 54%
HSV	232°, 82%, 91%
XYZ	17.4274, 10.1940, 77.3631
YIQ	77.4490, -68.1860, 46.3260

Conversions

Conversions Part 2

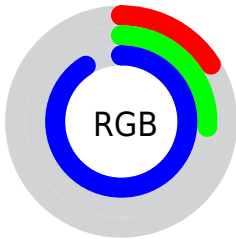
Format	Color
R _Y B	41, 63, 232
Decimal	2704104
CIE Lab	38.19, 50.48, -85.04
CIE LCh	38, 98.894, 300.696
Yxy	10.1940, 0.1660, 0.0971
Android (android.graphics.Color)	4280894184 (0xFF2942E8)
YUV	77.4490, 76.1936, -31.9658
Hunter-Lab	31.9280, 41.5574, -121.3128

Details

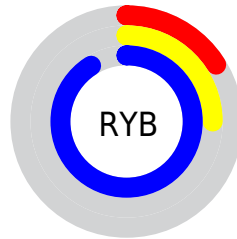
The Yxy color **10.1940, 0.1660, 0.0971** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **61.9921, 0.4338, 0.4801**, and the grayscale version is **7.3817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **23.6190, 0.2101, 0.1541**, and **3.6690, 0.1527, 0.0698** is the 20% darker color. If you saturate the color by 10%, you get **7.8919, 0.1567, 0.0784**, and if you desaturate by 10%, it is **13.6083, 0.1797, 0.1220**.

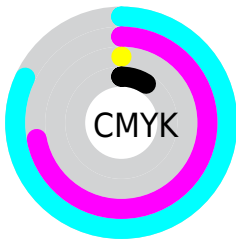
Distribution



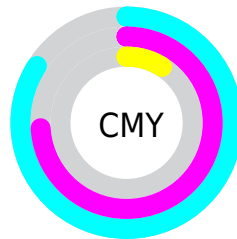
- Red (16%)
- Green (26%)
- Blue (91%)



- Red (16%)
- Yellow (25%)
- Blue (91%)



- Cyan (82%)
- Magenta (72%)
- Yellow (0%)
- Black (9%)





- Cyan (84%)
- Magenta (74%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.1940, 0.1660, 0.0971 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 10.1940, 0.1660, 0.0971 by changing the saturation by 10% instead.


 10.1940, 0.1660,
0.0971


 10.1940, 0.1660,
0.0971


192.0511, 0.2486,
0.2069


 5.5278, 0.1453,
0.0755


 26.1598, 0.1967,
0.1333

 2.5601, 0.1200,
0.0522

 38.2281, 0.2082,
0.1482


 0.9067, 0.0896,
0.0288

 53.5326, 0.2178,
0.1612

 0.0000, 0.0559,
0.0000

 72.4576, 0.2259,
0.1727

 0.0000, 0.0000,
0.0000

 95.3876, 0.2329,
0.1828

 122.7069, 0.2388,

0.1918

154.7999, 0.2440,
0.1997

■ 10.1940, 0.1660,
0.0971

■ 10.1940, 0.1660,
0.0971

■ 7.8919, 0.1567,
0.0784

■ 13.6083, 0.1797,
0.1220

■ 6.7628, 0.1524,
0.0686

■ 18.2558, 0.1968,
0.1514

■ 24.2418, 0.2162,
0.1832

■ 31.6602, 0.2365,
0.2153

■ 40.5960, 0.2566,
0.2463

■ 51.1277, 0.2757,
0.2751

■ 63.3284, 0.2934,
0.3011

■ 77.2664, 0.3093,
0.3242

■ 93.0065, 0.3236,
0.3444

Harmonies

Analogous

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



10.1940, 0.0842, 0.0872



10.1940, 0.1660, 0.0971



10.1940, 0.3366, 0.1379

Triad

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



10.1940, 0.1660, 0.0971



10.1940, 0.6258, 0.3742



10.1940, 0.0788, 0.4322

Complementary

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



10.1940, 0.1660, 0.0971



61.9921, 0.4338, 0.4801

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.



10.1940, 0.1753, 0.7351



10.1940, 0.1660, 0.0971



10.1940, 0.4834, 0.5166

Square

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



10.1940, 0.1660, 0.0971



10.1940, 0.6857, 0.2842



10.1940, 0.3140, 0.6860



10.1940, 0.0468, 0.1914

Rectangle

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



10.1940, 0.1660, 0.0971



10.1940, 0.4963, 0.1832



10.1940, 0.3140, 0.6860



10.1940, 0.1038, 0.5532

Sweetspot

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



10.1942, 0.1660, 0.0971



59.4295, 0.2703, 0.2671



62.6468, 0.2378, 0.3636



11.7280, 0.2636, 0.2570



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



10.1942, 0.1660, 0.0971



8.4634, 0.1527, 0.0691



10.8071, 0.1994, 0.0983



14.1881, 0.2980, 0.3079



3.8569, 0.1528, 0.0702



0.3832, 0.1585, 0.0907

Inverse Universe

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



19.1387, 0.5728, 0.3128



21.4392, 0.6244, 0.3220



65.5330, 0.3615, 0.5367



14.3984, 0.3272, 0.3260



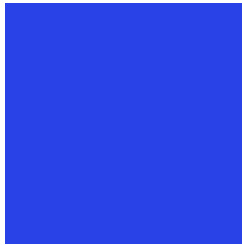
9.5871, 0.6229, 0.3205



0.7184, 0.5900, 0.3024

Previews

White Background



This preview shows how the Yxy color 10.1940, 0.1660, 0.0971 looks on a white background.

Color Contrast Check

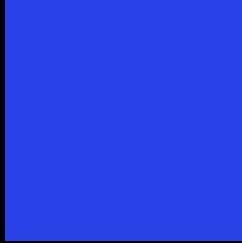
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.1940, 0.1660, 0.0971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

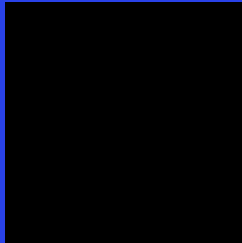
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1940, 0.1660, 0.0971

Background



This preview shows how black text looks on a background with the Yxy color 10.1940, 0.1660, 0.0971.



This preview shows how white text looks on a background with the Yxy color 10.1940, 0.1660, 0.0971.

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

10.1940, 0.1660, 0.0971

Protanopia

9.9918, 0.1750, 0.1498

Deuteranopia

9.9874, 0.1871, 0.1934



Tritanopia

9.9232, 0.2208, 0.3147

Trichromacy



Original Color

10.1940, 0.1660, 0.0971

Protanomaly

9.8637, 0.1696, 0.1247

Deuteranomaly

9.6655, 0.1754, 0.1445

Tritanomaly

9.1523, 0.1879, 0.1871

Monochromacy



Original Color

10.1940, 0.1660, 0.0971

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.5485, 0.2212, 0.1913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1940, 0.1660, 0.0971 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(41, 66, 232)` looks like.

```
.text, #text, p{  
    color:rgb(41, 66, 232)  
}
```

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(41, 66, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 66, 232) }
```

Border

The CSS property to change the border of an element to Yxy 10.1940, 0.1660, 0.0971 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(41, 66, 232) }
```

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

```
.border{ border-color:rgb(41, 66, 232) }
```

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

Here you see how a box with a 4 pixel rgb(41, 66, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 66, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 66, 232);  
box-shadow:4px 4px 4px 4px rgb(41, 66,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1940, 0.1660, 0.0971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 66, 232) }
```

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

```
.background{ background-color: rgb(41, 66,  
232) }
```

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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