

Converting Colors

$Yxy(13.0438, 0.1678, 0.0996)$

Have a look what the booklet for
Yxy(13.0438, 0.1678, 0.0996)
contains.

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Color

Yxy(13.0927, 0.1678, 0.0999)

Conversions

Conversions Part 1

Format	Color
Hex	334CFF
RGB	51, 76, 255
RGB Percent	20%, 30%, 100%
CMY	0.8008, 0.7018, 0.0000
CMYK	0.80, 0.70, 0.00, 0.00
HSL	233°, 100%, 60%
HSV	233°, 80%, 100%
XYZ	21.9915, 13.0927, 95.9738
YIQ	88.9310, -72.3590, 50.3690

Conversions

Conversions Part 2

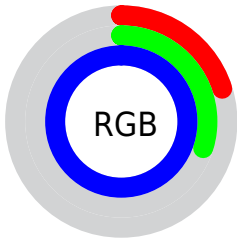
Format	Color
R_{YB}	51, 73, 255
Decimal	3362047
CIE _{Lab}	42.90, 53.07, -90.21
CIE _{LCh}	43, 104.656, 300.467
Yxy	13.0927, 0.1678, 0.0999
Android (android.graphics.Color)	4281552127 (0xFF334CFF)
YUV	88.9310, 81.8720, -33.2655
Hunter-Lab	36.1838, 45.1657, -131.9318

Details

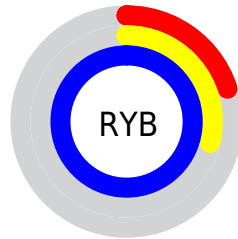
The Yxy color **13.0927, 0.1678, 0.0999** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **77.9618, 0.4312, 0.4798**, and the grayscale version is **9.7944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9670, 0.2182, 0.1687**, and **5.0112, 0.1536, 0.0728** is the 20% darker color. If you saturate the color by 10%, you get **10.0400, 0.1577, 0.0801**, and if you desaturate by 10%, it is **17.5771, 0.1822, 0.1258**.

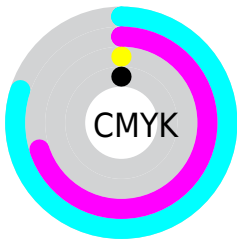
Distribution



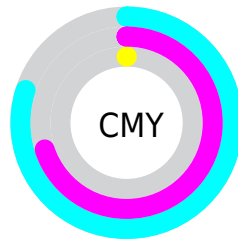
- Red (20%)
- Green (30%)
- Blue (100%)



- Red (20%)
- Yellow (29%)
- Blue (100%)



- Cyan (80%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0927, 0.1678, 0.0999 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 13.0927, 0.1678, 0.0999 by changing the saturation by 10% instead.


 13.0927, 0.1678,
0.0999


 13.0927, 0.1678,
0.0999


211.5109, 0.2465,
0.2044

 7.4924, 0.1489,
0.0799


 31.4702, 0.1964,
0.1337


 3.7719, 0.1260,
0.0581


 45.0162, 0.2073,
0.1478

 1.5468, 0.0987,
0.0358

 61.9796, 0.2165,
0.1602

 0.3213, 0.0676,
0.0117

 82.7448, 0.2243,
0.1711

 0.0000, 0.0331,
0.0000

 107.6961, 0.2310,
0.1809

 0.0000, 0.0000,
0.0000

137.2180, 0.2369,

0.1896

171.6948, 0.2420,
0.1974

■ 13.0927, 0.1678,
0.0999

■ 13.0927, 0.1678,
0.0999

■ 10.0400, 0.1577,
0.0801

■ 17.5771, 0.1822,
0.1258

■ 8.2266, 0.1521,
0.0674

■ 23.6443, 0.2000,
0.1560

■ 31.4262, 0.2199,
0.1884

■ 41.0408, 0.2404,
0.2208

■ 52.5954, 0.2605,
0.2518

■ 66.1888, 0.2795,
0.2804

■ 81.9133, 0.2969,
0.3061

99.8554, 0.3126,
0.3288

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



13.0927, 0.0867, 0.0903



13.0927, 0.1678, 0.0999



13.0927, 0.3349, 0.1405

Triad

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



13.0927, 0.1678, 0.0999



13.0927, 0.6234, 0.3766



13.0927, 0.0836, 0.4330

Complementary

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



13.0927, 0.1678, 0.0999



77.9618, 0.4312, 0.4798

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.



13.0927, 0.1816, 0.7244



13.0927, 0.1678, 0.0999



13.0927, 0.4848, 0.5152

Square

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



13.0927, 0.1678, 0.0999



13.0927, 0.6790, 0.2870



13.0927, 0.3199, 0.6801



13.0927, 0.0500, 0.1962

Rectangle

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



13.0927, 0.1678, 0.0999



13.0927, 0.4905, 0.1855



13.0927, 0.3199, 0.6801



13.0927, 0.1092, 0.5495

Sweetspot

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



13.0929, 0.1678, 0.0999



60.6051, 0.2722, 0.2695



77.8065, 0.2382, 0.3628



11.9468, 0.2654, 0.2592



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.



13.0929, 0.1678, 0.0999



8.8338, 0.1540, 0.0718



13.9820, 0.2019, 0.1016



17.7392, 0.2979, 0.3075



4.4108, 0.1525, 0.0690



0.5383, 0.1567, 0.0840

Inverse Universe

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



24.1330, 0.5674, 0.3132



21.6377, 0.6193, 0.3210



81.4749, 0.3617, 0.5339



18.0236, 0.3275, 0.3261



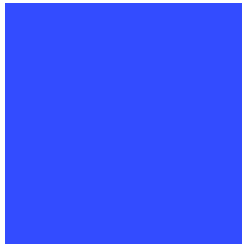
11.1732, 0.6249, 0.3216



1.0989, 0.6005, 0.3082

Previews

White Background



This preview shows how the Yxy color 13.0927, 0.1678, 0.0999 looks on a white background.

Color Contrast Check

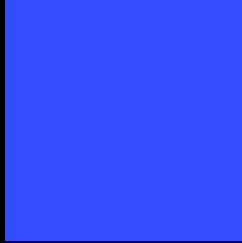
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0927, 0.1678, 0.0999 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 13.0927, 0.1678, 0.0999

Background



This preview shows how black text looks on a background with the Yxy color 13.0927, 0.1678, 0.0999.



This preview shows how white text looks on a background with the Yxy color 13.0927, 0.1678, 0.0999.

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

13.0927, 0.1678, 0.0999

Protanopia

12.9090, 0.1746, 0.1485

Deuteranopia

12.7565, 0.1862, 0.1901



Tritanopia

12.6769, 0.2198, 0.3111

Trichromacy



Original Color

13.0927, 0.1678, 0.0999

Protanomaly

12.6011, 0.1696, 0.1247

Deuteranomaly

12.2691, 0.1752, 0.1438

Tritanomaly

11.6911, 0.1883, 0.1884

Monochromacy



Original Color

13.0927, 0.1678, 0.0999

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.0064, 0.2243, 0.1952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0927, 0.1678, 0.0999 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(51, 76, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 76, 255)  
}
```

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(51, 76, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 76, 255) }
```

Border

The CSS property to change the border of an element to Yxy 13.0927, 0.1678, 0.0999 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(51, 76, 255) }
```

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

```
.border{ border-color:rgb(51, 76, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 76, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 76, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 76, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 76,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0927, 0.1678, 0.0999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 76, 255) }
```

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

```
.background{ background-color: rgb(51, 76,  
255) }
```

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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