

Converting Colors

$Y_{xy}(13.5561, 0.1635, 0.1034)$

Have a look what the booklet for
Yxy(13.5561, 0.1635, 0.1034)
contains.

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Color

Yxy(13.5552, 0.1635, 0.1034)

Conversions

Conversions Part 1

Format	Color
Hex	1453FF
RGB	20, 83, 255
RGB Percent	8%, 33%, 100%
CMY	0.9212, 0.6746, 0.0000
CMYK	0.92, 0.67, 0.00, 0.00
HSL	224°, 100%, 54%
HSV	224°, 92%, 100%
XYZ	21.4340, 13.5552, 96.1056
YIQ	83.7710, -92.7600, 40.1360

Conversions

Conversions Part 2

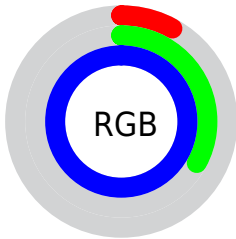
Format	Color
R _Y B	20, 70, 255
Decimal	1332223
CIE Lab	43.59, 47.49, -89.11
CIE LCh	44, 100.977, 298.057
Yxy	13.5552, 0.1635, 0.1034
Android (android.graphics.Color)	4279522303 (0xFF1453FF)
YUV	83.7710, 84.4159, -55.9272
Hunter-Lab	36.8174, 39.4870, -128.9944

Details

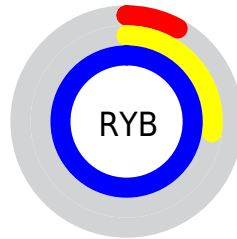
The Yxy color **13.5552, 0.1635, 0.1034** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **59.0517, 0.4700, 0.4607**, and the grayscale version is **8.6584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6445, 0.2123, 0.1731**, and **5.4823, 0.1552, 0.0788** is the 20% darker color. If you saturate the color by 10%, you get **11.3886, 0.1582, 0.0895**, and if you desaturate by 10%, it is **17.2275, 0.1733, 0.1250**.

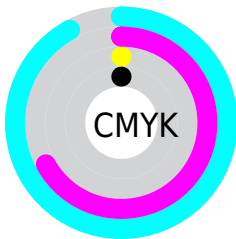
Distribution



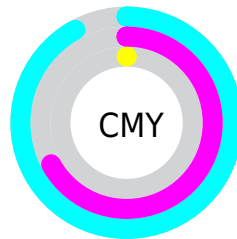
- Red (8%)
- Green (33%)
- Blue (100%)



- Red (8%)
- Yellow (27%)
- Blue (100%)



- Cyan (92%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)





- Cyan (92%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5552, 0.1635, 0.1034 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 13.5552, 0.1635, 0.1034 by changing the saturation by 10% instead.


 13.5552, 0.1635,
0.1034


 13.5552, 0.1635,
0.1034


214.4459, 0.2436,
0.2071


 7.8120, 0.1445,
0.0833


 32.2977, 0.1924,
0.1372


 3.9749, 0.1216,
0.0612


 46.0657, 0.2035,
0.1512

 1.6595, 0.0944,
0.0384

 63.2775, 0.2128,
0.1634

 0.3972, 0.0637,
0.0145

 84.3173, 0.2208,
0.1743

 0.0000, 0.0293,
0.0000

 109.5697, 0.2277,
0.1839

 0.0000, 0.0000,
0.0000

139.4190, 0.2337,

0.1925

174.2496, 0.2390,
0.2002

■ 13.5552, 0.1635,
0.1034

■ 13.5552, 0.1635,
0.1034

■ 11.3886, 0.1582,
0.0895

■ 17.2275, 0.1733,
0.1250

■ 22.0760, 0.1866,
0.1503

■ 28.2052, 0.2027,
0.1777

■ 35.7072, 0.2206,
0.2059

■ 44.6645, 0.2394,
0.2335

■ 55.1528, 0.2582,
0.2597

■ 67.2423, 0.2764,
0.2839

■ 80.9985, 0.2936,
0.3058

■ 96.4832, 0.3095,
0.3252

Harmonies

Analogous

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



13.5552, 0.0878, 0.0962



13.5552, 0.1635, 0.1034



13.5552, 0.3185, 0.1413

Triad

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



13.5552, 0.1635, 0.1034



13.5552, 0.6262, 0.3738



13.5552, 0.0968, 0.4553

Complementary

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



13.5552, 0.1635, 0.1034



59.0517, 0.4700, 0.4607

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.



13.5552, 0.2007, 0.7134



13.5552, 0.1635, 0.1034



13.5552, 0.4972, 0.5028

Square

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



13.5552, 0.1635, 0.1034



13.5552, 0.6651, 0.2864



13.5552, 0.3398, 0.6602



13.5552, 0.0567, 0.2142

Rectangle

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



13.5552, 0.1635, 0.1034



13.5552, 0.4655, 0.1845



13.5552, 0.3398, 0.6602



13.5552, 0.1250, 0.5644

Sweetspot

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



13.5545, 0.1635, 0.1034



59.9404, 0.2658, 0.2700



75.3195, 0.2503, 0.4173



11.7588, 0.2578, 0.2593



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.



13.5545, 0.1635, 0.1034



11.3886, 0.1582, 0.0895



9.0622, 0.1669, 0.0724



18.1689, 0.2979, 0.3111



6.1589, 0.1589, 0.0921



0.7704, 0.1648, 0.1134

Inverse Universe

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



22.3877, 0.5689, 0.2958



21.6808, 0.5920, 0.3035



84.4225, 0.3825, 0.5310



18.0670, 0.3252, 0.3227



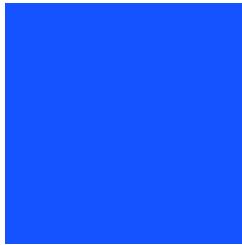
11.3497, 0.5879, 0.3012



1.1223, 0.5561, 0.2837

Previews

White Background



This preview shows how the Yxy color 13.5552, 0.1635, 0.1034 looks on a white background.

Color Contrast Check

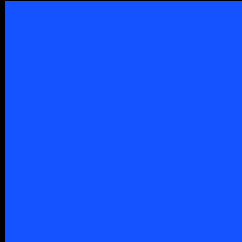
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5552, 0.1635, 0.1034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

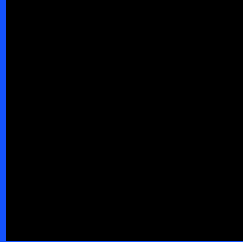
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5552, 0.1635, 0.1034

Background



This preview shows how black text looks on a background with the Yxy color 13.5552, 0.1635, 0.1034.



This preview shows how white text looks on a background with the Yxy color 13.5552, 0.1635, 0.1034.

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

13.5552, 0.1635, 0.1034

Protanopia

13.2404, 0.1744, 0.1477

Deuteranopia

13.2775, 0.1862, 0.1904



Tritanopia

13.1422, 0.2205, 0.3138

Trichromacy



Original Color

13.5552, 0.1635, 0.1034

Protanomaly

13.2557, 0.1697, 0.1289

Deuteranomaly

13.0023, 0.1751, 0.1480

Tritanomaly

12.3751, 0.1887, 0.1962

Monochromacy



Original Color

13.5552, 0.1635, 0.1034

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.4081, 0.2135, 0.1954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5552, 0.1635, 0.1034 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(20, 83, 255)` looks like.

```
.text, #text, p{  
    color:rgb(20, 83, 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(20, 83, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 83, 255) }
```

Border

The CSS property to change the border of an element to Yxy 13.5552, 0.1635, 0.1034 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(20, 83, 255) }
```

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

```
.border{ border-color:rgb(20, 83, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 83, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 83, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 83, 255);  
box-shadow:4px 4px 4px 4px rgb(20, 83,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5552, 0.1635, 0.1034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 83, 255) }
```

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

```
.background{ background-color: rgb(20, 83,  
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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