

Converting Colors

$Y_{xy}(21.1587, 0.1973, 0.1435)$

Have a look what the booklet for
Yxy(21.1587, 0.1973, 0.1435)
contains.

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Color

Yxy(21.1966, 0.1974, 0.1437)

Conversions

Conversions Part 1

Format	Color
Hex	666EFF
RGB	102, 110, 255
RGB Percent	40%, 43%, 100%
CMY	0.5996, 0.5688, 0.0000
CMYK	0.60, 0.57, 0.00, 0.00
HSL	237°, 100%, 70%
HSV	237°, 60%, 100%
XYZ	29.1177, 21.1966, 97.1916
YIQ	124.1380, -51.3130, 43.3990

Conversions

Conversions Part 2

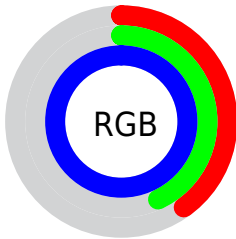
Format	Color
RYB	102, 110, 255
Decimal	6713087
CIELab	53.16, 38.94, -73.32
CIElCh	53, 83.020, 297.973
Yxy	21.1966, 0.1974, 0.1437
Android (android.graphics.Color)	4284903167 (0xFF666EFF)
YUV	124.1380, 64.5150, -19.4150
Hunter-Lab	46.0398, 32.3220, -92.9355

Details

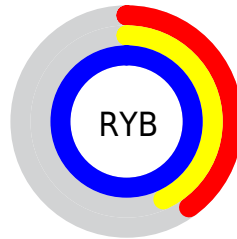
The Yxy color **21.1966, 0.1974, 0.1437** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **88.8285, 0.4019, 0.4639**, and the grayscale version is **20.0019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0600, 0.2478, 0.2188**, and **7.5546, 0.1634, 0.1033** is the 20% darker color. If you saturate the color by 10%, you get **15.4011, 0.1792, 0.1132**, and if you desaturate by 10%, it is **28.8713, 0.2179, 0.1775**.

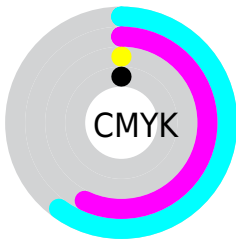
Distribution



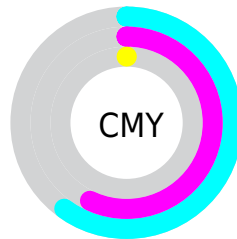
- Red (40%)
- Green (43%)
- Blue (100%)



- Red (40%)
- Yellow (43%)
- Blue (100%)



- Cyan (60%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1966, 0.1974, 0.1437 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 21.1966, 0.1974, 0.1437 by changing the saturation by 10% instead.


 21.1966, 0.1974,
0.1437


 21.1966, 0.1974,
0.1437


258.3215, 0.2586,
0.2306


 13.2678, 0.1823,
0.1252


 45.4145, 0.2198,
0.1731


 7.6132, 0.1636,
0.1037


 62.4724, 0.2282,
0.1848

 3.8485, 0.1400,
0.0790


 83.3421, 0.2353,
0.1950

 1.5892, 0.1106,
0.0518

 108.4080, 0.2413,
0.2039

 0.3503, 0.0755,
0.0194

138.0545, 0.2466,
0.2118

 0.0000, 0.0234,
0.0000

172.6659, 0.2511,

 0.0000, 0.0000,

0.2188

0.0000

212.6268, 0.2551,
0.2250

■ 21.1966, 0.1974,
0.1437

■ 21.1966, 0.1974,
0.1437

■ 15.4011, 0.1792,
0.1132

■ 28.8713, 0.2179,
0.1775

■ 11.3269, 0.1648,
0.0884

■ 38.5733, 0.2392,
0.2121

■ 8.7824, 0.1553,
0.0713

■ 50.4308, 0.2600,
0.2456

■ 7.5139, 0.1506,
0.0622

■ 64.5626, 0.2794,
0.2766

■ 7.5106, 0.1506,
0.0622

■ 81.0790, 0.2971,
0.3045

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



21.1966, 0.1276, 0.1383



21.1966, 0.1974, 0.1437



21.1966, 0.3211, 0.1789

Triad

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



21.1966, 0.1974, 0.1437



21.1966, 0.5720, 0.3981



21.1966, 0.1509, 0.4224

Complementary

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



21.1966, 0.1974, 0.1437



88.8285, 0.4019, 0.4639

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.



21.1966, 0.2497, 0.5893



21.1966, 0.1974, 0.1437



21.1966, 0.4876, 0.4981

Square

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



21.1966, 0.1974, 0.1437



21.1966, 0.5798, 0.3154



21.1966, 0.3703, 0.5929



21.1966, 0.1032, 0.2532

Rectangle

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



21.1966, 0.1974, 0.1437



21.1966, 0.4263, 0.2177



21.1966, 0.3703, 0.5929



21.1966, 0.1789, 0.4886

Sweetspot

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



21.1951, 0.1974, 0.1437



67.6071, 0.2830, 0.2823



80.9317, 0.2430, 0.3408



13.5098, 0.2777, 0.2738



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.



21.1951, 0.1974, 0.1437



14.4357, 0.1759, 0.1076



25.1076, 0.2417, 0.1554



17.5274, 0.2978, 0.3057



3.9860, 0.1509, 0.0630



0.4385, 0.1529, 0.0703

Inverse Universe

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



31.9083, 0.4928, 0.3221



26.4092, 0.5495, 0.3225



83.2676, 0.3519, 0.4959



18.0022, 0.3286, 0.3278



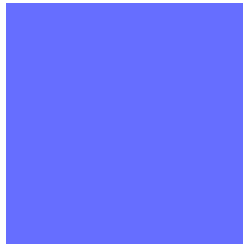
11.1304, 0.6349, 0.3271



1.0888, 0.6228, 0.3205

Previews

White Background



This preview shows how the Yxy color 21.1966, 0.1974, 0.1437 looks on a white background.

Color Contrast Check

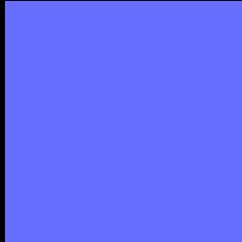
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 21.1966, 0.1974, 0.1437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

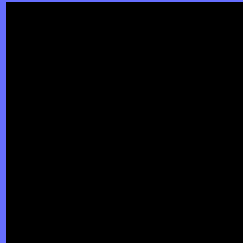
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1966, 0.1974, 0.1437

Background



This preview shows how black text looks on a background with the Yxy color 21.1966, 0.1974, 0.1437.

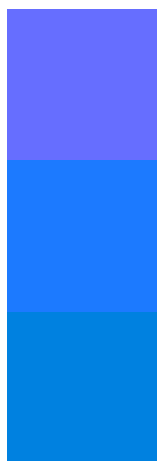


This preview shows how white text looks on a background with the Yxy color 21.1966, 0.1974, 0.1437.

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

21.1966, 0.1974, 0.1437

Protanopia

21.3859, 0.1767, 0.1482

Deuteranopia

21.0823, 0.1839, 0.1820



Tritanopia

21.1038, 0.2325, 0.3070

Trichromacy



Original Color

21.1966, 0.1974, 0.1437

Protanomaly

20.9891, 0.1808, 0.1454

Deuteranomaly

20.3105, 0.1827, 0.1633

Tritanomaly

20.4088, 0.2148, 0.2260

Monochromacy



Original Color

21.1966, 0.1974, 0.1437

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.8852, 0.2563, 0.2399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1966, 0.1974, 0.1437 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(102, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 110, 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(102, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 110, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.1966, 0.1974, 0.1437 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(102, 110, 255) }
```

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

```
.border{ border-color:rgb(102, 110, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 110, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 110,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1966, 0.1974, 0.1437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 110, 255) }
```

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

```
.background{ background-color: rgb(102,  
110, 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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