

Converting Colors

$Y_{xy}(34.5255, 0.2160, 0.2022)$

Have a look what the booklet for
Yxy(34.5255, 0.2160, 0.2022)
contains.

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Color

Yxy(34.5743, 0.2159, 0.2024)

Conversions

Conversions Part 1

Format	Color
Hex	729CFF
RGB	114, 156, 255
RGB Percent	45%, 61%, 100%
CMY	0.5530, 0.3882, 0.0000
CMYK	0.55, 0.39, 0.00, 0.00
HSL	222°, 100%, 72%
HSV	222°, 55%, 100%
XYZ	36.8804, 34.5743, 99.3669
YIQ	154.7280, -56.8110, 21.8850

Conversions

Conversions Part 2

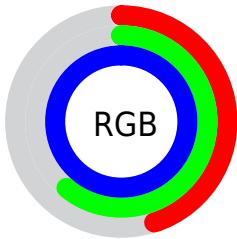
Format	Color
RYB	114, 146, 255
Decimal	7511295
CIELab	65.42, 13.76, -53.62
CIElCh	65, 55.360, 284.390
Yxy	34.5743, 0.2159, 0.2024
Android (android.graphics.Color)	4285701375 (0xFF729CFF)
YUV	154.7280, 49.4341, -35.7185
Hunter-Lab	58.7999, 9.0586, -59.0352

Details

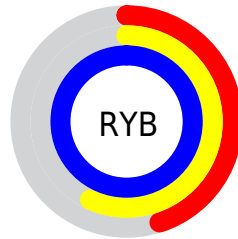
The Yxy color **34.5743, 0.2159, 0.2024** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **70.0566, 0.4151, 0.4272**, and the grayscale version is **32.4462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3119, 0.2609, 0.2777**, and **14.7847, 0.1895, 0.1707** is the 20% darker color. If you saturate the color by 10%, you get **27.5232, 0.1988, 0.1753**, and if you desaturate by 10%, it is **42.9851, 0.2341, 0.2293**.

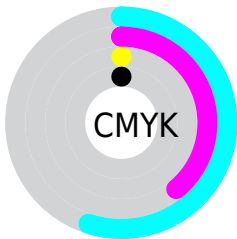
Distribution



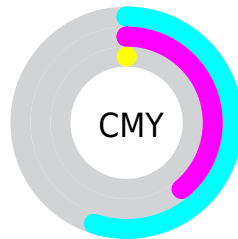
- Red (45%)
- Green (61%)
- Blue (100%)



- Red (45%)
- Yellow (57%)
- Blue (100%)



- Cyan (55%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5743, 0.2159, 0.2024 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 34.5743, 0.2159, 0.2024 by changing the saturation by 10% instead.


 34.5743, 0.2159,
0.2024


 34.5743, 0.2159,
0.2024


322.6853, 0.2644,
0.2632


 23.3351, 0.2043,
0.1885


 66.8258, 0.2332,
0.2236

 14.8412, 0.1898,
0.1716


 88.6069, 0.2398,
0.2318

 8.7080, 0.1715,
0.1506


 114.6707, 0.2455,
0.2389

 4.5512, 0.1478,
0.1245

145.4017, 0.2503,
0.2451

 1.9864, 0.1171,
0.0922

181.1843, 0.2545,
0.2504

 0.5996, 0.0781,
0.0516

222.4028, 0.2582,

 0.0000, 0.0000,

0.2552

0.0000

269.4417, 0.2615,
0.2594

■ 34.5743, 0.2159,
0.2024

■ 34.5743, 0.2159,
0.2024

■ 27.5232, 0.1988,
0.1753

■ 42.9851, 0.2341,
0.2293

■ 21.7559, 0.1838,
0.1490

■ 52.8314, 0.2527,
0.2549

■ 17.1825, 0.1717,
0.1250

■ 64.1786, 0.2709,
0.2787

■ 13.6992, 0.1631,
0.1044

■ 77.0892, 0.2883,
0.3003

■ 12.3852, 0.1600,
0.0961

■ 91.6218, 0.3046,
0.3197

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.



34.5743, 0.1777, 0.2130



34.5743, 0.2159, 0.2024



34.5743, 0.2832, 0.2177

Triad

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



34.5743, 0.2159, 0.2024



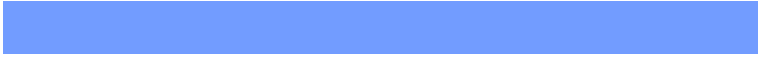
34.5743, 0.4809, 0.3673



34.5743, 0.2459, 0.4242

Complementary

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



34.5743, 0.2159, 0.2024



70.0566, 0.4151, 0.4272

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.



34.5743, 0.3229, 0.4825



34.5743, 0.2159, 0.2024



34.5743, 0.4608, 0.4280

Square

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



34.5743, 0.2159, 0.2024



34.5743, 0.4473, 0.3072



34.5743, 0.4014, 0.4762



34.5743, 0.1914, 0.3312

Rectangle

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



34.5743, 0.2159, 0.2024



34.5743, 0.3403, 0.2402



34.5743, 0.4014, 0.4762



34.5743, 0.2700, 0.4502

Sweetspot

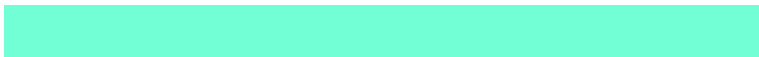
The Sweet Spot groups the original color and five complimentary colors.



34.5732, 0.2159, 0.2024



74.7809, 0.2854, 0.2968



79.8852, 0.2605, 0.3807



15.4353, 0.2820, 0.2926



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.



34.5732, 0.2159, 0.2024



27.0784, 0.1977, 0.1734



25.0191, 0.2233, 0.1585



18.2598, 0.2979, 0.3118



6.6969, 0.1608, 0.0989



0.8328, 0.1669, 0.1207

Inverse Universe

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



35.6918, 0.4278, 0.2867



29.8295, 0.4646, 0.2821



89.0325, 0.3729, 0.4715



18.0761, 0.3247, 0.3219



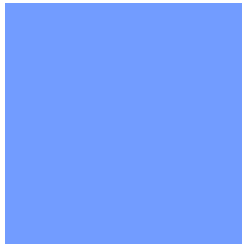
11.4040, 0.5776, 0.2956



1.1286, 0.5456, 0.2779

Previews

White Background



This preview shows how the Yxy color 34.5743, 0.2159, 0.2024 looks on a white background.

Color Contrast Check

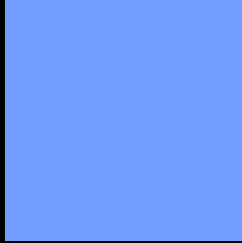
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 34.5743, 0.2159, 0.2024 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 ✓ Pass

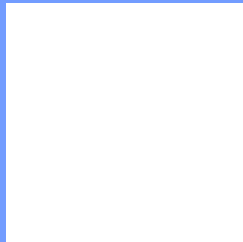
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.5743, 0.2159, 0.2024

Background



This preview shows how black text looks on a background with the Yxy color 34.5743, 0.2159, 0.2024.



This preview shows how white text looks on a background with the Yxy color 34.5743, 0.2159, 0.2024.

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

34.5743, 0.2159, 0.2024

Protanopia

34.5915, 0.2192, 0.2030

Deuteranopia

34.7768, 0.2115, 0.2056



Tritanopia

34.7033, 0.2415, 0.3066

Trichromacy



Original Color

34.5743, 0.2159, 0.2024

Protanomaly

34.4500, 0.2181, 0.2027

Deuteranomaly

34.6736, 0.2130, 0.2048

Tritanomaly

34.4670, 0.2311, 0.2637

Monochromacy



Original Color

34.5743, 0.2159, 0.2024

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.7797, 0.2692, 0.2763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5743, 0.2159, 0.2024 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(114, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 156, 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(114, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.5743, 0.2159, 0.2024 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(114, 156, 255) }
```

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

```
.border{ border-color:rgb(114, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5743, 0.2159, 0.2024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 156, 255) }
```

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

```
.background{ background-color: rgb(114,  
156, 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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