

Converting Colors

$Yxy(34.6493, 0.2174, 0.2024)$

Have a look what the booklet for
Yxy(34.6493, 0.2174, 0.2024)
contains.

Yxy(34.7788, 0.2175, 0.2029)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.7788, 0.2175, 0.2029)

Conversions

Conversions Part 1

Format	Color
Hex	759CFF
RGB	117, 156, 255
RGB Percent	46%, 61%, 100%
CMY	0.5408, 0.3883, 0.0000
CMYK	0.54, 0.39, 0.00, 0.00
HSL	223°, 100%, 73%
HSV	223°, 54%, 100%
XYZ	37.2814, 34.7788, 99.3484
YIQ	155.6250, -55.0230, 22.5210

Conversions

Conversions Part 2

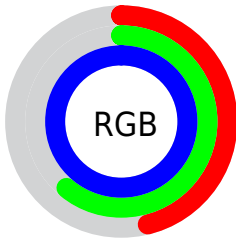
Format	Color
RYB	117, 147, 255
Decimal	7707903
CIELab	65.58, 14.38, -53.33
CIELCh	66, 55.240, 285.094
Yxy	34.7788, 0.2175, 0.2029
Android (android.graphics.Color)	4285897983 (0xFF759CFF)
YUV	155.6250, 48.9919, -33.8741
Hunter-Lab	58.9736, 9.6388, -58.6000

Details

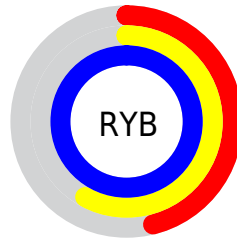
The Yxy color **34.7788, 0.2175, 0.2029** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.7033, 0.4114, 0.4273**, and the grayscale version is **32.8744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6603, 0.2627, 0.2779**, and **14.9104, 0.1915, 0.1714** is the 20% darker color. If you saturate the color by 10%, you get **27.5591, 0.2000, 0.1752**, and if you desaturate by 10%, it is **43.4078, 0.2360, 0.2302**.

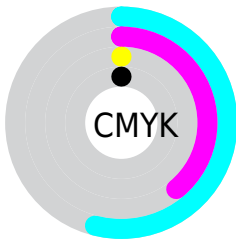
Distribution



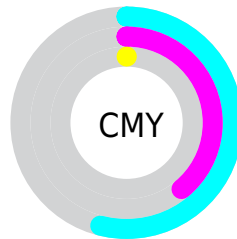
- Red (46%)
- Green (61%)
- Blue (100%)



- Red (46%)
- Yellow (58%)
- Blue (100%)



- Cyan (54%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7788, 0.2175, 0.2029 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 34.7788, 0.2175, 0.2029 by changing the saturation by 10% instead.


 34.7788, 0.2175,
0.2029


 34.7788, 0.2175,
0.2029


323.5909, 0.2652,
0.2633


 23.4925, 0.2061,
0.1891


 67.1430, 0.2346,
0.2240

 14.9576, 0.1918,
0.1722


 88.9896, 0.2411,
0.2322

 8.7896, 0.1737,
0.1514


 115.1252, 0.2466,
0.2392

 4.6042, 0.1503,
0.1254

145.9341, 0.2514,
0.2453

 2.0170, 0.1197,
0.0932

181.8008, 0.2555,
0.2507

 0.6173, 0.0808,
0.0529

223.1095, 0.2591,

 0.0000, 0.0000,

0.2554

0.0000

270.2448, 0.2623,
0.2596

■ 34.7788, 0.2175,
0.2029

■ 34.7788, 0.2175,
0.2029

■ 27.5591, 0.2000,
0.1752

■ 43.4078, 0.2360,
0.2302

■ 21.6638, 0.1846,
0.1484

■ 53.5168, 0.2547,
0.2563

■ 17.0031, 0.1720,
0.1239

■ 65.1757, 0.2730,
0.2804

■ 13.4719, 0.1629,
0.1029

■ 78.4486, 0.2903,
0.3022

■ 11.8451, 0.1590,
0.0925

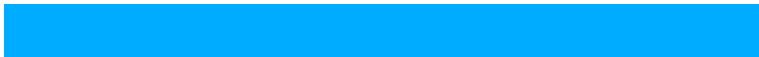
■ 93.3961, 0.3065,
0.3217

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



34.7788, 0.1787, 0.2128



34.7788, 0.2175, 0.2029



34.7788, 0.2852, 0.2187

Triad

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



34.7788, 0.2175, 0.2029



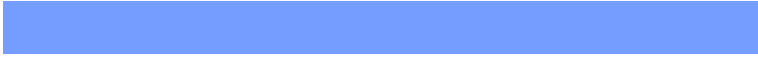
34.7788, 0.4804, 0.3687



34.7788, 0.2446, 0.4218

Complementary

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



34.7788, 0.2175, 0.2029



71.7033, 0.4114, 0.4273

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.



34.7788, 0.3210, 0.4812



34.7788, 0.2175, 0.2029



34.7788, 0.4593, 0.4291

Square

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



34.7788, 0.2175, 0.2029



34.7788, 0.4482, 0.3087



34.7788, 0.3995, 0.4764



34.7788, 0.1910, 0.3291

Rectangle

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



34.7788, 0.2175, 0.2029



34.7788, 0.3423, 0.2415



34.7788, 0.3995, 0.4764



34.7788, 0.2685, 0.4480

Sweetspot

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



34.7800, 0.2175, 0.2029



75.7808, 0.2871, 0.2982



80.2565, 0.2602, 0.3764



15.6205, 0.2836, 0.2938



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.



34.7800, 0.2175, 0.2029



26.9661, 0.1985, 0.1727



26.1620, 0.2273, 0.1632



18.2119, 0.2979, 0.3114



6.4061, 0.1598, 0.0952



0.7994, 0.1658, 0.1168

Inverse Universe

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



36.4010, 0.4266, 0.2897



30.2242, 0.4647, 0.2850



88.8270, 0.3703, 0.4695



18.0713, 0.3250, 0.3223



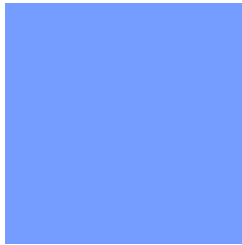
11.3747, 0.5831, 0.2986



1.1252, 0.5511, 0.2810

Previews

White Background



This preview shows how the Yxy color 34.7788, 0.2175, 0.2029 looks on a white background.

Color Contrast Check

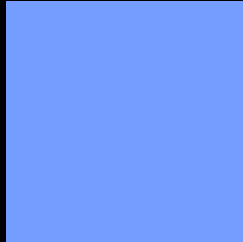
Large Text (above 18pt) WCAG AA × Fail

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 34.7788, 0.2175, 0.2029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

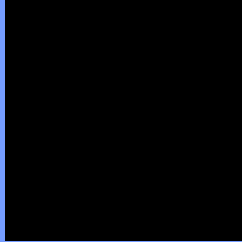
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

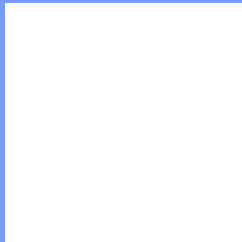
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.7788, 0.2175, 0.2029

Background



This preview shows how black text looks on a background with the Yxy color 34.7788, 0.2175, 0.2029.



This preview shows how white text looks on a background with the Yxy color 34.7788, 0.2175, 0.2029.

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

34.7788, 0.2175, 0.2029

Protanopia

34.5915, 0.2192, 0.2030

Deuteranopia

34.8356, 0.2119, 0.2057



Tritanopia

34.9039, 0.2437, 0.3067

Trichromacy



Original Color

34.7788, 0.2175, 0.2029

Protanomaly

34.5204, 0.2187, 0.2028

Deuteranomaly

34.7976, 0.2140, 0.2051

Tritanomaly

34.6923, 0.2332, 0.2641

Monochromacy



Original Color

34.7788, 0.2175, 0.2029

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.3335, 0.2702, 0.2767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7788, 0.2175, 0.2029 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(117, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.7788, 0.2175, 0.2029 is called "border". The border property can be set on classes, ids or directly on the HTML element.

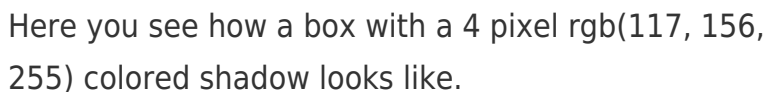
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 156, 255) }
```

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

```
.border{ border-color:rgb(117, 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(117, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7788, 0.2175, 0.2029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 156, 255) }
```

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

```
.background{ background-color: rgb(117,  
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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