

Converting Colors

$Y_{xy}(34.5966, 0.2149, 0.2028)$

Have a look what the booklet for
Yxy(34.5966, 0.2149, 0.2028)
contains.

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Color

Yxy(34.7787, 0.2152, 0.2034)

Conversions

Conversions Part 1

Format	Color
Hex	709DFF
RGB	112, 157, 255
RGB Percent	44%, 62%, 100%
CMY	0.5606, 0.3844, 0.0000
CMYK	0.56, 0.38, 0.00, 0.00
HSL	221°, 100%, 72%
HSV	221°, 56%, 100%
XYZ	36.7963, 34.7787, 99.4117
YIQ	154.7170, -58.2780, 20.9380

Conversions

Conversions Part 2

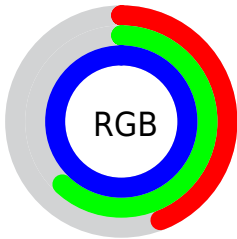
Format	Color
RYB	112, 146, 255
Decimal	7380479
CIELab	65.58, 12.79, -53.38
CIELCh	66, 54.887, 283.476
Yxy	34.7787, 0.2152, 0.2034
Android (android.graphics.Color)	4285570559 (0xFF709DFF)
YUV	154.7170, 49.4395, -37.4628
Hunter-Lab	58.9735, 8.1710, -58.6638

Details

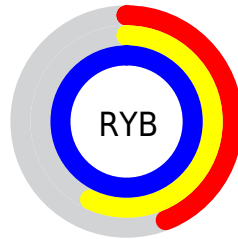
The Yxy color **34.7787, 0.2152, 0.2034** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **68.5462, 0.4181, 0.4263**, and the grayscale version is **32.4458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5792, 0.2599, 0.2787**, and **14.9208, 0.1889, 0.1720** is the 20% darker color. If you saturate the color by 10%, you get **27.8366, 0.1985, 0.1768**, and if you desaturate by 10%, it is **43.0383, 0.2332, 0.2297**.

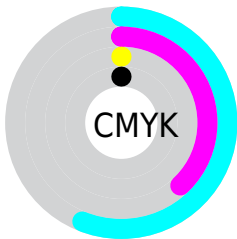
Distribution



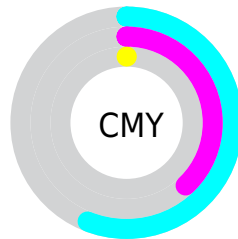
- Red (44%)
- Green (62%)
- Blue (100%)



- Red (44%)
- Yellow (57%)
- Blue (100%)



- Cyan (56%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)




- Cyan (56%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7787, 0.2152, 0.2034 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 34.7787, 0.2152, 0.2034 by changing the saturation by 10% instead.


 34.7787, 0.2152,
0.2034


 34.7787, 0.2152,
0.2034


323.5904, 0.2639,
0.2637


 23.4925, 0.2036,
0.1896


 67.1428, 0.2326,
0.2245

 14.9576, 0.1891,
0.1727


 88.9894, 0.2392,
0.2327

 8.7896, 0.1707,
0.1518


 115.1250, 0.2449,
0.2397

 4.6042, 0.1470,
0.1258

145.9339, 0.2498,
0.2458

 2.0170, 0.1163,
0.0934

181.8005, 0.2540,
0.2511

 0.6173, 0.0774,
0.0531

223.1092, 0.2577,

 0.0000, 0.0000,

0.2558

0.0000

270.2444, 0.2610,
0.2600

■ 34.7787, 0.2152,
0.2034

■ 34.7787, 0.2152,
0.2034

■ 27.8366, 0.1985,
0.1768

■ 43.0383, 0.2332,
0.2297

■ 22.1388, 0.1838,
0.1511

■ 52.6889, 0.2515,
0.2549

■ 17.5974, 0.1721,
0.1274

■ 63.7939, 0.2697,
0.2782

■ 14.1114, 0.1637,
0.1070

■ 76.4138, 0.2870,
0.2995

■ 12.9842, 0.1611,
0.0999

■ 90.6051, 0.3034,
0.3185

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.



34.7787, 0.1782, 0.2148



34.7787, 0.2152, 0.2034



34.7787, 0.2811, 0.2178

Triad

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



34.7787, 0.2152, 0.2034



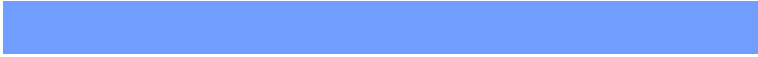
34.7787, 0.4790, 0.3653



34.7787, 0.2488, 0.4256

Complementary

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



34.7787, 0.2152, 0.2034



68.5462, 0.4181, 0.4263

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.



34.7787, 0.3254, 0.4815



34.7787, 0.2152, 0.2034



34.7787, 0.4608, 0.4256

Square

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



34.7787, 0.2152, 0.2034



34.7787, 0.4441, 0.3058



34.7787, 0.4030, 0.4738



34.7787, 0.1937, 0.3340

Rectangle

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



34.7787, 0.2152, 0.2034



34.7787, 0.3374, 0.2398



34.7787, 0.4030, 0.4738



34.7787, 0.2728, 0.4508

Sweetspot

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



34.7775, 0.2152, 0.2034



75.1677, 0.2855, 0.2976



79.6066, 0.2611, 0.3846



15.5260, 0.2820, 0.2935



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.



34.7775, 0.2152, 0.2034



27.2523, 0.1970, 0.1744



24.2403, 0.2202, 0.1553



18.3097, 0.2979, 0.3122



7.0188, 0.1619, 0.1028



0.8693, 0.1680, 0.1249

Inverse Universe

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



35.2900, 0.4273, 0.2839



29.4553, 0.4642, 0.2791



89.3141, 0.3751, 0.4723



18.0812, 0.3245, 0.3216



11.4365, 0.5717, 0.2923



1.1323, 0.5397, 0.2747

Previews

White Background



This preview shows how the Yxy color 34.7787, 0.2152, 0.2034 looks on a white background.

Color Contrast Check

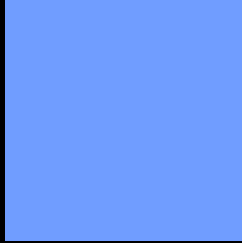
Large Text (above 18pt) WCAG AA × Fail

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 34.7787, 0.2152, 0.2034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

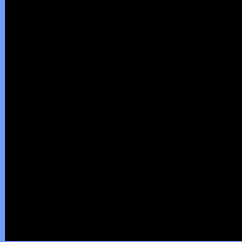
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

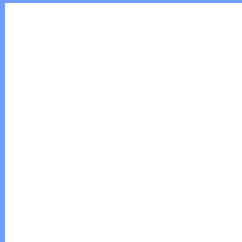
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.7787, 0.2152, 0.2034

Background



This preview shows how black text looks on a background with the Yxy color 34.7787, 0.2152, 0.2034.



This preview shows how white text looks on a background with the Yxy color 34.7787, 0.2152, 0.2034.

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

34.7787, 0.2152, 0.2034

Protanopia

34.5995, 0.2202, 0.2040

Deuteranopia

34.8998, 0.2115, 0.2048



Tritanopia

34.9391, 0.2403, 0.3081

Trichromacy



Original Color

34.7787, 0.2152, 0.2034

Protanomaly

34.7842, 0.2184, 0.2040

Deuteranomaly

34.7379, 0.2126, 0.2039

Tritanomaly

34.7235, 0.2303, 0.2651

Monochromacy



Original Color

34.7787, 0.2152, 0.2034

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.0275, 0.2685, 0.2777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7787, 0.2152, 0.2034 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(112, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 157, 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(112, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 157, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.7787, 0.2152, 0.2034 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(112, 157, 255) }
```

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

```
.border{ border-color:rgb(112, 157, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 157,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7787, 0.2152, 0.2034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 157, 255) }
```

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

```
.background{ background-color: rgb(112,  
157, 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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