

Converting Colors

$Y_{xy}(33.6130, 0.2232, 0.2199)$

Have a look what the booklet for
Yxy(33.6130, 0.2232, 0.2199)
contains.

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Color

Yxy(33.7391, 0.2236, 0.2209)

Conversions

Conversions Part 1

Format	Color
Hex	719DED
RGB	113, 157, 237
RGB Percent	44%, 62%, 93%
CMY	0.5570, 0.3843, 0.0705
CMYK	0.52, 0.34, 0.00, 0.07
HSL	219°, 78%, 69%
HSV	219°, 52%, 93%
XYZ	34.1515, 33.7391, 84.8441
YIQ	152.9640, -51.9040, 15.5520

Conversions

Conversions Part 2

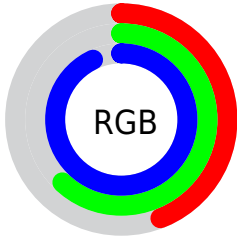
Format	Color
RYB	113, 145, 237
Decimal	7445997
CIELab	64.75, 7.38, -44.81
CIELCh	65, 45.413, 279.353
Yxy	33.7391, 0.2236, 0.2209
Android (android.graphics.Color)	4285636077 (0xFF719DED)
YUV	152.9640, 41.4297, -35.0484
Hunter-Lab	58.0854, 3.3003, -45.9440

Details

The Yxy color **33.7391, 0.2236, 0.2209** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **57.3299, 0.4129, 0.4155**, and the grayscale version is **31.6705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4665, 0.2593, 0.2786**, and **14.3481, 0.1984, 0.1915** is the 20% darker color. If you saturate the color by 10%, you get **27.5150, 0.2069, 0.1958**, and if you desaturate by 10%, it is **41.0232, 0.2412, 0.2452**.

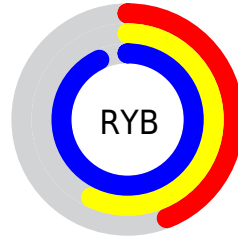
Distribution



Red (44%)

Green (62%)

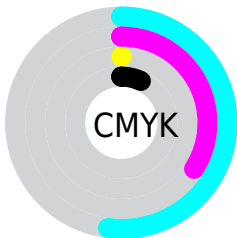
Blue (93%)



Red (44%)

Yellow (57%)

Blue (93%)

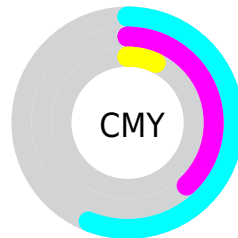


Cyan (52%)

Magenta (34%)

Yellow (0%)

Black (7%)



Cyan (56%)


Magenta (38%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7391, 0.2236, 0.2209 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 33.7391, 0.2236, 0.2209 by changing the saturation by 10% instead.


 33.7391, 0.2236,
0.2209


 33.7391, 0.2236,
0.2209


318.9671, 0.2687,
0.2744

 22.6932, 0.2125,
0.2081


 65.5277, 0.2399,
0.2400

 14.3672, 0.1986,
0.1922


 87.0393, 0.2461,
0.2472

 8.3765, 0.1806,
0.1720


 112.8082, 0.2513,
0.2535

 4.3368, 0.1568,
0.1458

143.2189, 0.2558,
0.2588

 1.8637, 0.1248,
0.1116

178.6558, 0.2597,
0.2635

 0.5264, 0.0817,
0.0632

219.5032, 0.2630,

 0.0000, 0.0000,

0.2675

0.0000

266.1455, 0.2660,
0.2711

■ 33.7391, 0.2236,
0.2209

■ 33.7391, 0.2236,
0.2209

■ 27.5150, 0.2069,
0.1958

■ 41.0232, 0.2412,
0.2452

■ 22.2909, 0.1918,
0.1709

■ 49.4155, 0.2591,
0.2681

■ 18.0051, 0.1792,
0.1471


■ 58.9652, 0.2766,
0.2892

■ 14.5851, 0.1696,
0.1255

■ 69.7171, 0.2934,
0.3083

■ 12.4777, 0.1642,
0.1109

■ 81.7138, 0.3092,
0.3253

 94.9611, 0.3238,
0.3404

 98.8953, 0.3232,
0.3463

Harmonies

Analogous

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



33.7391, 0.1943, 0.2355



33.7391, 0.2236, 0.2209



33.7391, 0.2777, 0.2302

Triad

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



33.7391, 0.2236, 0.2209



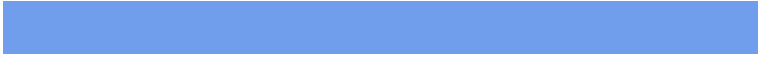
33.7391, 0.4511, 0.3557



33.7391, 0.2682, 0.4170

Complementary

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



33.7391, 0.2236, 0.2209



57.3299, 0.4129, 0.4155

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.



33.7391, 0.3351, 0.4569



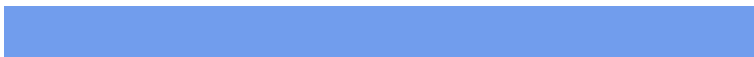
33.7391, 0.2236, 0.2209



33.7391, 0.4435, 0.4077

Square

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



33.7391, 0.2236, 0.2209



33.7391, 0.4153, 0.3038



33.7391, 0.3995, 0.4483



33.7391, 0.2168, 0.3448

Rectangle

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



33.7391, 0.2236, 0.2209



33.7391, 0.3241, 0.2478



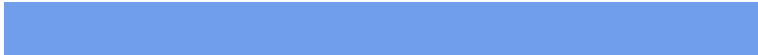
33.7391, 0.3995, 0.4483



33.7391, 0.2896, 0.4355

Sweetspot

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



33.7403, 0.2236, 0.2209



77.4101, 0.2872, 0.3014



67.8711, 0.2665, 0.3886



16.0060, 0.2838, 0.2975



0.0000, 0.0000, 0.0000



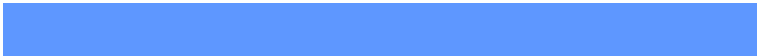
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.7403, 0.2236, 0.2209



31.8741, 0.2054, 0.1936



22.6264, 0.2232, 0.1666



15.4239, 0.2980, 0.3134



7.0358, 0.1650, 0.1139



0.7282, 0.1727, 0.1415

Inverse Universe

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



32.2456, 0.4086, 0.2808



31.5745, 0.4413, 0.2738



77.0589, 0.3765, 0.4610



15.1424, 0.3237, 0.3207



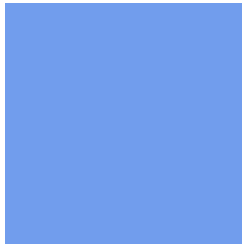
10.2031, 0.5554, 0.2833



0.8189, 0.5170, 0.2622

Previews

White Background



This preview shows how the Yxy color 33.7391, 0.2236, 0.2209 looks on a white background.

Color Contrast Check

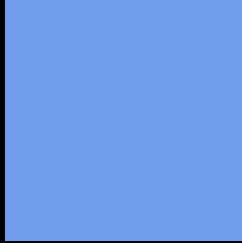
Large Text (above 18pt) WCAG AA × Fail

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 33.7391, 0.2236, 0.2209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

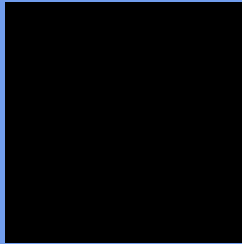
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

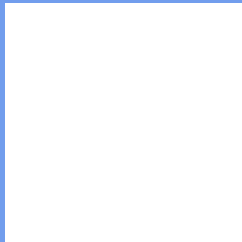
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.7391, 0.2236, 0.2209

Background



This preview shows how black text looks on a background with the Yxy color 33.7391, 0.2236, 0.2209.



This preview shows how white text looks on a background with the Yxy color 33.7391, 0.2236, 0.2209.

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

33.7391, 0.2236, 0.2209

Protanopia

33.7188, 0.2338, 0.2223

Deuteranopia

33.7429, 0.2262, 0.2203



Tritanopia

33.7623, 0.2456, 0.3065

Trichromacy



Original Color

33.7391, 0.2236, 0.2209

Protanomaly

33.6518, 0.2298, 0.2217

Deuteranomaly

33.6044, 0.2250, 0.2200

Tritanomaly

33.5819, 0.2369, 0.2715

Monochromacy



Original Color

33.7391, 0.2236, 0.2209

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.9752, 0.2726, 0.2841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7391, 0.2236, 0.2209 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(113, 157, 237)` looks like.

```
.text, #text, p{  
    color:rgb(113, 157, 237)  
}
```

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(113, 157, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 157, 237) }
```

Border

The CSS property to change the border of an element to Yxy 33.7391, 0.2236, 0.2209 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(113, 157, 237) }
```

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

```
.border{ border-color:rgb(113, 157, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 157, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 157, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 157, 237); box-shadow:4px 4px 4px 4px rgb(113, 157, 237) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7391, 0.2236, 0.2209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 157, 237) }
```

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

```
.background{ background-color: rgb(113,  
157, 237) }
```

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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