

Converting Colors

$Yxy(37.2381, 0.2297, 0.2241)$

Have a look what the booklet for
Yxy(37.2381, 0.2297, 0.2241)
contains.

Yxy(37.2381, 0.2297, 0.2241)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.2381, 0.2297, 0.2241)

Conversions

Conversions Part 1

Format	Color
Hex	7FA3F4
RGB	127, 163, 244
RGB Percent	50%, 64%, 96%
CMY	0.5023, 0.3607, 0.0432
CMYK	0.48, 0.33, 0.00, 0.04
HSL	221°, 84%, 73%
HSV	221°, 48%, 96%
XYZ	38.1686, 37.2381, 90.7606
YIQ	161.4700, -47.4570, 17.5590

Conversions

Conversions Part 2

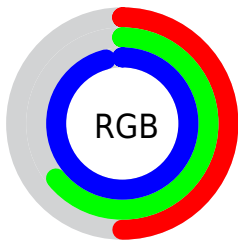
Format	Color
RYB	127, 155, 244
Decimal	8365044
CIELab	67.46, 9.17, -44.34
CIElCh	67, 45.273, 281.680
Yxy	37.2381, 0.2297, 0.2241
Android (android.graphics.Color)	4286555124 (0xFF7FA3F4)
YUV	161.4700, 40.6873, -30.2302
Hunter-Lab	61.0230, 4.8577, -45.4669

Details

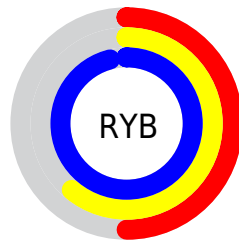
The Yxy color **37.2381, 0.2297, 0.2241** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.8224, 0.4007, 0.4143**, and the grayscale version is **35.6880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6771, 0.2685, 0.2878**, and **16.4051, 0.2070, 0.1981** is the 20% darker color. If you saturate the color by 10%, you get **29.9896, 0.2119, 0.1975**, and if you desaturate by 10%, it is **45.7424, 0.2481, 0.2497**.

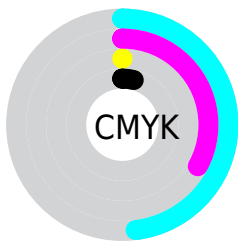
Distribution



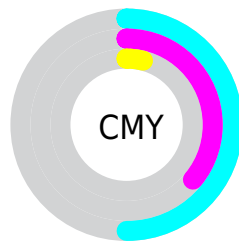
- Red (50%)
- Green (64%)
- Blue (96%)



- Red (50%)
- Yellow (61%)
- Blue (96%)



- Cyan (48%)
- Magenta (33%)
- Yellow (0%)
- Black (4%)





- Cyan (50%)
- Magenta (36%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2381, 0.2297, 0.2241 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 37.2381, 0.2297, 0.2241 by changing the saturation by 10% instead.


 37.2381, 0.2297,
0.2241


 37.2381, 0.2297,
0.2241


334.3402, 0.2713,
0.2752

 25.3919, 0.2196,
0.2121


 70.9388, 0.2446,
0.2422

 16.3693, 0.2069,
0.1972


 93.5621, 0.2503,
0.2491

 9.7858, 0.1906,
0.1784


 120.5466, 0.2551,
0.2550

 5.2572, 0.1691,
0.1541

152.2767, 0.2593,
0.2602

 2.3989, 0.1400,
0.1224

189.1366, 0.2629,
0.2646

 0.8253, 0.1006,
0.0814

231.5110, 0.2660,

 0.0000, 0.0000,

0.2686

0.0000

279.7840, 0.2688,
0.2720

■ 37.2381, 0.2297,
0.2241

■ 37.2381, 0.2297,
0.2241

■ 29.9896, 0.2119,
0.1975

■ 45.7424, 0.2481,
0.2497

■ 23.9282, 0.1954,
0.1708

■ 55.5582, 0.2663,
0.2735

■ 18.9838, 0.1812,
0.1453

■ 66.7424, 0.2838,
0.2954

■ 15.0758, 0.1700,
0.1221

■ 79.3473, 0.3004,
0.3150

■ 12.1040, 0.1621,
0.1024

■ 93.4221, 0.3157,
0.3323

■ 11.5964, 0.1608,
0.0989

■ 99.3115, 0.3191,
0.3396

Harmonies

Analogous

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



37.2381, 0.1992, 0.2366



37.2381, 0.2297, 0.2241



37.2381, 0.2839, 0.2347

Triad

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



37.2381, 0.2297, 0.2241



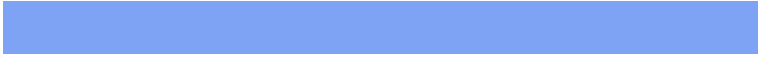
37.2381, 0.4472, 0.3593



37.2381, 0.2653, 0.4089

Complementary

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



37.2381, 0.2297, 0.2241



65.8224, 0.4007, 0.4143

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.



37.2381, 0.3296, 0.4507



37.2381, 0.2297, 0.2241



37.2381, 0.4370, 0.4093

Square

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



37.2381, 0.2297, 0.2241



37.2381, 0.4156, 0.3086



37.2381, 0.3927, 0.4464



37.2381, 0.2171, 0.3389

Rectangle

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



37.2381, 0.2297, 0.2241



37.2381, 0.3293, 0.2528



37.2381, 0.3927, 0.4464



37.2381, 0.2857, 0.4276

Sweetspot

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



37.2394, 0.2297, 0.2241



79.0923, 0.2905, 0.3034



73.7064, 0.2664, 0.3751



16.2998, 0.2869, 0.2990



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.



37.2394, 0.2297, 0.2241



33.0390, 0.2116, 0.1971



28.0208, 0.2361, 0.1828



16.7602, 0.2980, 0.3122



6.5178, 0.1616, 0.1016



0.7476, 0.1684, 0.1261

Inverse Universe

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



37.0353, 0.4035, 0.2902



34.0865, 0.4347, 0.2837



81.8434, 0.3679, 0.4530



16.5667, 0.3245, 0.3217



10.7574, 0.5734, 0.2932



0.9631, 0.5380, 0.2738

Previews

White Background



This preview shows how the Yxy color 37.2381, 0.2297, 0.2241 looks on a white background.

Color Contrast Check

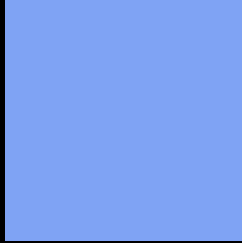
Large Text (above 18pt) WCAG AA × Fail

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 37.2381, 0.2297, 0.2241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

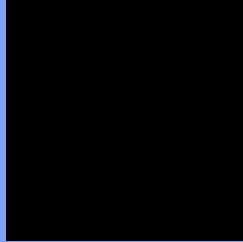
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2381, 0.2297, 0.2241

Background



This preview shows how black text looks on a background with the Yxy color 37.2381, 0.2297, 0.2241.



This preview shows how white text looks on a background with the Yxy color 37.2381, 0.2297, 0.2241.

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

37.2381, 0.2297, 0.2241

Protanopia

37.1348, 0.2357, 0.2248

Deuteranopia

37.3152, 0.2303, 0.2242



Tritanopia

37.2179, 0.2532, 0.3076

Trichromacy



Original Color

37.2381, 0.2297, 0.2241

Protanomaly

37.2983, 0.2335, 0.2247

Deuteranomaly

37.3152, 0.2303, 0.2242

Tritanomaly

37.0165, 0.2441, 0.2741

Monochromacy



Original Color

37.2381, 0.2297, 0.2241

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.9918, 0.2775, 0.2877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2381, 0.2297, 0.2241 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(127, 163, 244)` looks like.

```
.text, #text, p{  
    color:rgb(127, 163, 244)  
}
```

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(127, 163, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 163, 244) }
```

Border

The CSS property to change the border of an element to Yxy 37.2381, 0.2297, 0.2241 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(127, 163, 244) }
```

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

```
.border{ border-color:rgb(127, 163, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 163, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 163, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 163, 244); box-shadow:4px 4px 4px 4px rgb(127, 163, 244) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2381, 0.2297, 0.2241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 163, 244) }
```

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

```
.background{ background-color: rgb(127,  
163, 244) }
```

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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