

Converting Colors

$Y_{xy}(30.0469, 0.2351, 0.2271)$

Have a look what the booklet for
Yxy(30.0469, 0.2351, 0.2271)
contains.

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Color

Yxy(30.0469, 0.2351, 0.2271)

Conversions

Conversions Part 1

Format	Color
Hex	7993DB
RGB	121, 147, 219
RGB Percent	47%, 58%, 86%
CMY	0.5253, 0.4235, 0.1413
CMYK	0.45, 0.33, 0.00, 0.14
HSL	224°, 58%, 67%
HSV	224°, 45%, 86%
XYZ	31.1054, 30.0469, 71.1547
YIQ	147.4340, -38.6080, 16.8800

Conversions

Conversions Part 2

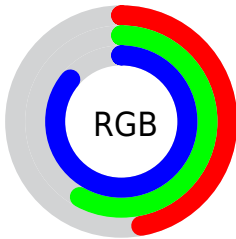
Format	Color
R _Y B	121, 142, 219
Decimal	7967707
CIE Lab	61.69, 9.67, -39.60
CIE LCh	62, 40.766, 283.725
Yxy	30.0469, 0.2351, 0.2271
Android (android.graphics.Color)	4286157787 (0xFF7993DB)
YUV	147.4340, 35.2820, -23.1826
Hunter-Lab	54.8151, 5.3653, -38.5930

Details

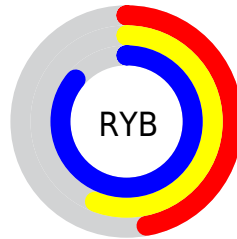
The Yxy color **30.0469, 0.2351, 0.2271** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.5802, 0.3912, 0.4128**, and the grayscale version is **29.2330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3404, 0.2615, 0.2673**, and **12.3535, 0.2111, 0.1982** is the 20% darker color. If you saturate the color by 10%, you get **23.9813, 0.2166, 0.1994**, and if you desaturate by 10%, it is **37.1739, 0.2538, 0.2536**.

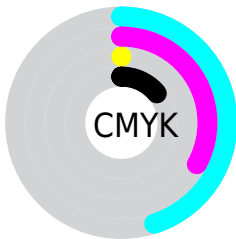
Distribution



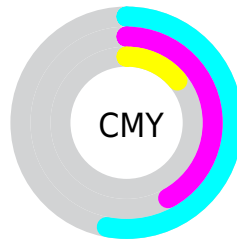
- Red (47%)
- Green (58%)
- Blue (86%)



- Red (47%)
- Yellow (56%)
- Blue (86%)



- Cyan (45%)
- Magenta (33%)
- Yellow (0%)
- Black (14%)



- Cyan (53%)
- Magenta (42%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0469, 0.2351, 0.2271 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 30.0469, 0.2351, 0.2271 by changing the saturation by 10% instead.

■ 30.0469, 0.2351,
0.2271

■ 30.0469, 0.2351,
0.2271

302.1230, 0.2756,
0.2786

■ 19.8742, 0.2247,
0.2144

■ 59.7363, 0.2501,
0.2458

■ 12.3036, 0.2114,
0.1984

■ 80.0219, 0.2556,
0.2528

■ 6.9508, 0.1937,
0.1776

■ 104.4471, 0.2603,
0.2588

■ 3.4314, 0.1695,
0.1499

133.3965, 0.2642,
0.2639

■ 1.3609, 0.1354,
0.1128

167.2543, 0.2677,
0.2683

■ 0.1876, 0.0783,
0.0354

206.4051, 0.2706,

■ 0.0000, 0.0000,

0.2722

0.0000

251.2332, 0.2733,
0.2756

■ 30.0469, 0.2351,
0.2271

■ 30.0469, 0.2351,
0.2271

■ 23.9813, 0.2166,
0.1994

■ 37.1739, 0.2538,
0.2536

■ 18.9202, 0.1991,
0.1714

■ 45.4084, 0.2721,
0.2782

■ 14.8062, 0.1836,
0.1445

■ 54.7979, 0.2894,
0.3005

■ 11.5737, 0.1710,
0.1200

■ 65.3858, 0.3056,
0.3204

■ 9.1474, 0.1620,
0.0994

■ 77.2134, 0.3204,
0.3380

■ 8.1433, 0.1584,
0.0902

■ 90.3198, 0.3338,
0.3534

■ 97.8927, 0.3340,
0.3641

Harmonies

Analogous

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



30.0469, 0.2037, 0.2378



30.0469, 0.2351, 0.2271



30.0469, 0.2892, 0.2388

Triad

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



30.0469, 0.2351, 0.2271



30.0469, 0.4435, 0.3623



30.0469, 0.2631, 0.4019

Complementary

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



30.0469, 0.2351, 0.2271



54.5802, 0.3912, 0.4128

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.



30.0469, 0.3249, 0.4450



30.0469, 0.2351, 0.2271



30.0469, 0.4313, 0.4103

Square

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



30.0469, 0.2351, 0.2271



30.0469, 0.4155, 0.3126



30.0469, 0.3867, 0.4443



30.0469, 0.2177, 0.3340

Rectangle

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



30.0469, 0.2351, 0.2271



30.0469, 0.3336, 0.2572



30.0469, 0.3867, 0.4443



30.0469, 0.2827, 0.4206

Sweetspot

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



30.0480, 0.2351, 0.2271



79.6750, 0.2921, 0.3038



58.5574, 0.2663, 0.3642



16.3781, 0.2884, 0.2992



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.



30.0480, 0.2351, 0.2271



34.0686, 0.2170, 0.2001



24.7170, 0.2470, 0.1962



13.1758, 0.2981, 0.3113



4.9839, 0.1591, 0.0927



0.4635, 0.1680, 0.1246

Inverse Universe

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



30.8463, 0.3990, 0.2979



36.3791, 0.4293, 0.2922



63.7788, 0.3605, 0.4459



13.1079, 0.3250, 0.3228



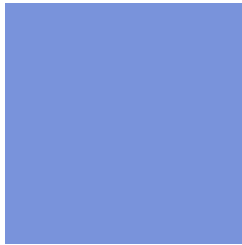
9.1269, 0.5871, 0.3008



0.6055, 0.5401, 0.2749

Previews

White Background



This preview shows how the Yxy color 30.0469, 0.2351, 0.2271 looks on a white background.

Color Contrast Check

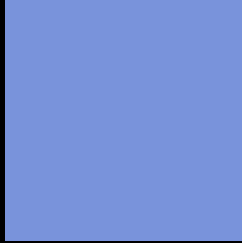
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0469, 0.2351, 0.2271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

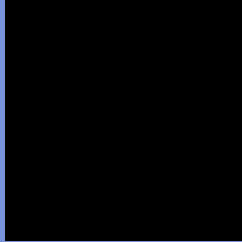
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0469, 0.2351, 0.2271

Background



This preview shows how black text looks on a background with the Yxy color 30.0469, 0.2351, 0.2271.



This preview shows how white text looks on a background with the Yxy color 30.0469, 0.2351, 0.2271.

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

30.0469, 0.2351, 0.2271

Protanopia

29.9797, 0.2381, 0.2274

Deuteranopia

30.2162, 0.2340, 0.2282



Tritanopia

30.1043, 0.2596, 0.3091

Trichromacy



Original Color

30.0469, 0.2351, 0.2271

Protanomaly

29.9048, 0.2374, 0.2272

Deuteranomaly

30.2874, 0.2346, 0.2284

Tritanomaly

29.8151, 0.2499, 0.2756

Monochromacy



Original Color

30.0469, 0.2351, 0.2271

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.2878, 0.2806, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0469, 0.2351, 0.2271 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(121, 147, 219)` looks like.

```
.text, #text, p{  
    color:rgb(121, 147, 219)  
}
```

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(121, 147, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 147, 219) }
```

Border

The CSS property to change the border of an element to Yxy 30.0469, 0.2351, 0.2271 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(121, 147, 219) }
```

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

```
.border{ border-color:rgb(121, 147, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 147, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 147, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 147, 219);  
box-shadow:4px 4px 4px 4px rgb(121, 147,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0469, 0.2351, 0.2271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 147, 219) }
```

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

```
.background{ background-color: rgb(121,  
147, 219) }
```

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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