

Converting Colors

$Yxy(32.2434, 0.2381, 0.2478)$

Have a look what the booklet for
Yxy(32.2434, 0.2381, 0.2478)
contains.

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Color

Yxy(32.2434, 0.2381, 0.2478)

Conversions

Conversions Part 1

Format	Color
Hex	749CD4
RGB	116, 156, 212
RGB Percent	45%, 61%, 83%
CMY	0.5449, 0.3883, 0.1685
CMYK	0.45, 0.26, 0.00, 0.17
HSL	215°, 53%, 64%
HSV	215°, 45%, 83%
XYZ	30.9812, 32.2434, 66.8940
YIQ	150.4240, -41.8160, 8.9360

Conversions

Conversions Part 2

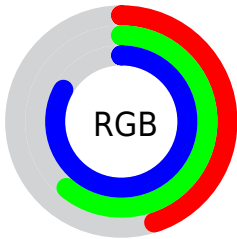
Format	Color
RYB	116, 144, 212
Decimal	7642324
CIELab	63.54, 1.24, -32.88
CIElCh	64, 32.902, 272.167
Yxy	32.2434, 0.2381, 0.2478
Android (android.graphics.Color)	4285832404 (0xFF749CD4)
YUV	150.4240, 30.3570, -30.1898
Hunter-Lab	56.7833, -1.9802, -30.0988

Details

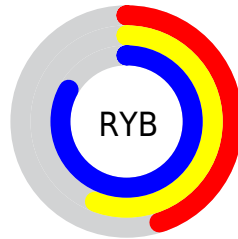
The Yxy color **32.2434, 0.2381, 0.2478** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.7991, 0.4001, 0.3975**, and the grayscale version is **30.5751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0838, 0.2597, 0.2775**, and **13.4981, 0.2155, 0.2238** is the 20% darker color. If you saturate the color by 10%, you get **27.0083, 0.2215, 0.2258**, and if you desaturate by 10%, it is **38.2359, 0.2552, 0.2687**.

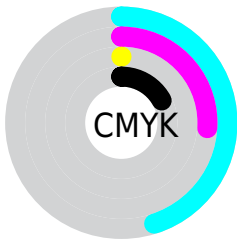
Distribution



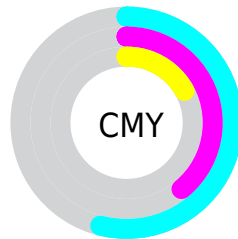
- Red (45%)
- Green (61%)
- Blue (83%)



- Red (45%)
- Yellow (56%)
- Blue (83%)



- Cyan (45%)
- Magenta (26%)
- Yellow (0%)
- Black (17%)



- Cyan (54%)
- Magenta (39%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2434, 0.2381, 0.2478 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 32.2434, 0.2381, 0.2478 by changing the saturation by 10% instead.

■ 32.2434, 0.2381,
0.2478

■ 32.2434, 0.2381,
0.2478

■ 312.2265, 0.2766,
0.2895

■ 21.5475, 0.2283,
0.2373

■ 63.1925, 0.2522,
0.2631

■ 13.5248, 0.2157,
0.2237

■ 84.2144, 0.2575,
0.2688

■ 7.7909, 0.1990,
0.2058

■ 109.4471, 0.2619,
0.2736

■ 3.9614, 0.1761,
0.1813

■ 139.2751, 0.2657,
0.2777

■ 1.6520, 0.1433,
0.1464

■ 174.0826, 0.2690,
0.2813

■ 0.3923, 0.0838,
0.0815

■ 214.2540, 0.2718,

■ 0.0000, 0.0000,

0.2844

0.0000

260.1739, 0.2743,
0.2871

■ 32.2434, 0.2381,
0.2478

■ 32.2434, 0.2381,
0.2478

■ 27.0083, 0.2215,
0.2258

■ 38.2359, 0.2552,
0.2687

■ 22.4916, 0.2061,
0.2031

■ 45.0149, 0.2722,
0.2880

■ 18.6555, 0.1925,
0.1804

■ 52.6124, 0.2888,
0.3056

■ 15.4561, 0.1812,
0.1586

■ 61.0570, 0.3047,
0.3214

■ 12.8421, 0.1727,
0.1384

■ 70.3762, 0.3197,
0.3354

■ 11.7734, 0.1693,
0.1295

■ 80.5958, 0.3337,
0.3479

■ 89.9012, 0.3401,
0.3594

■ 97.5347, 0.3381,
0.3710

Harmonies

Analogous

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



32.2434, 0.2199, 0.2654



32.2434, 0.2381, 0.2478



32.2434, 0.2759, 0.2500

Triad

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



32.2434, 0.2381, 0.2478



32.2434, 0.4109, 0.3420



32.2434, 0.2925, 0.4015

Complementary

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



32.2434, 0.2381, 0.2478



44.7991, 0.4001, 0.3975

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.



32.2434, 0.3437, 0.4232



32.2434, 0.2381, 0.2478



32.2434, 0.4143, 0.3822

Square

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



32.2434, 0.2381, 0.2478



32.2434, 0.3779, 0.3021



32.2434, 0.3887, 0.4135



32.2434, 0.2490, 0.3545

Rectangle

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



32.2434, 0.2381, 0.2478



32.2434, 0.3092, 0.2613



32.2434, 0.3887, 0.4135



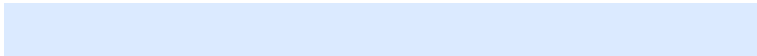
32.2434, 0.3093, 0.4122

Sweetspot

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



32.2446, 0.2381, 0.2478



81.2619, 0.2906, 0.3074



53.7956, 0.2740, 0.3859



16.8251, 0.2871, 0.3038



0.0000, 0.0000, 0.0000



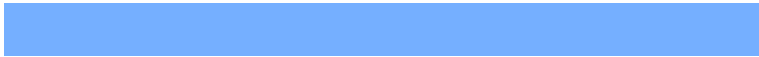
21.4041, 0.3127, 0.3290

Same Dimension

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



32.2446, 0.2381, 0.2478



41.5297, 0.2227, 0.2273



21.5448, 0.2340, 0.1905



12.8494, 0.2982, 0.3150



7.4541, 0.1700, 0.1321



0.6109, 0.1796, 0.1663

Inverse Universe

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



28.9024, 0.3816, 0.2799



37.1323, 0.4037, 0.2709



61.2027, 0.3728, 0.4421



12.5057, 0.3226, 0.3193



9.0973, 0.5298, 0.2692



0.5650, 0.4852, 0.2446

Previews

White Background



This preview shows how the Yxy color 32.2434, 0.2381, 0.2478 looks on a white background.

Color Contrast Check

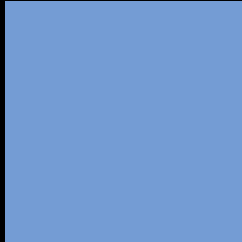
Large Text (above 18pt) WCAG AA × Fail

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 32.2434, 0.2381, 0.2478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

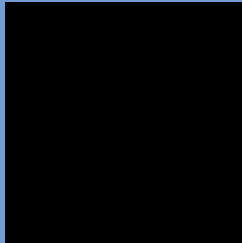
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

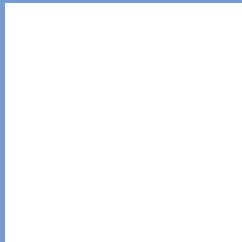
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.2434, 0.2381, 0.2478

Background



This preview shows how black text looks on a background with the Yxy color 32.2434, 0.2381, 0.2478.



This preview shows how white text looks on a background with the Yxy color 32.2434, 0.2381, 0.2478.

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

32.2434, 0.2381, 0.2478

Protanopia

32.0056, 0.2542, 0.2483

Deuteranopia

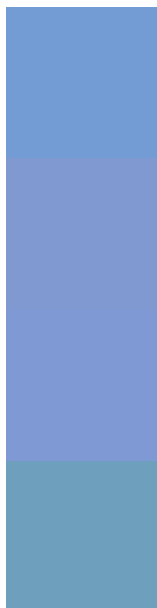
32.3289, 0.2489, 0.2434



Tritanopia

32.3931, 0.2555, 0.3080

Trichromacy



Original Color

32.2434, 0.2381, 0.2478

Protanomaly

32.0530, 0.2480, 0.2488

Deuteranomaly

32.0986, 0.2441, 0.2437

Tritanomaly

32.1307, 0.2490, 0.2839

Monochromacy



Original Color

32.2434, 0.2381, 0.2478

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.8769, 0.2810, 0.2967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2434, 0.2381, 0.2478 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(116, 156, 212)` looks like.

```
.text, #text, p{  
    color:rgb(116, 156, 212)  
}
```

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(116, 156, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 156, 212) }
```

Border

The CSS property to change the border of an element to Yxy 32.2434, 0.2381, 0.2478 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(116, 156, 212) }
```

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

```
.border{ border-color:rgb(116, 156, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 156, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 156, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 156, 212); box-shadow:4px 4px 4px 4px rgb(116, 156, 212) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2434, 0.2381, 0.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 156, 212) }
```

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

```
.background{ background-color: rgb(116,  
156, 212) }
```

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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