

Converting Colors

$Yxy(32.0964, 0.2180, 0.2371)$

Have a look what the booklet for
Yxy(32.0964, 0.2180, 0.2371)
contains.

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Color

Yxy(32.0964, 0.2180, 0.2371)

Conversions

Conversions Part 1

Format	Color
Hex	579FDE
RGB	87, 159, 222
RGB Percent	34%, 62%, 87%
CMY	0.6591, 0.3764, 0.1293
CMYK	0.61, 0.28, 0.00, 0.13
HSL	208°, 67%, 61%
HSV	208°, 61%, 87%
XYZ	29.5108, 32.0964, 73.7635
YIQ	144.6540, -63.1350, 4.3290

Conversions

Conversions Part 2

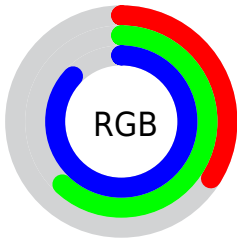
Format	Color
R _Y B	87, 134, 222
Decimal	5742558
CIE Lab	63.42, -3.77, -38.72
CIE LCh	63, 38.901, 264.444
Yxy	32.0964, 0.2180, 0.2371
Android (android.graphics.Color)	4283932638 (0xFF579FDE)
YUV	144.6540, 38.1316, -50.5626
Hunter-Lab	56.6537, -6.1636, -37.5384

Details

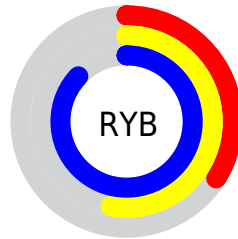
The Yxy color **32.0964, 0.2180, 0.2371** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **38.0169, 0.4507, 0.4008**, and the grayscale version is **28.0242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0115, 0.2467, 0.2793**, and **13.5151, 0.1917, 0.2100** is the 20% darker color. If you saturate the color by 10%, you get **27.7748, 0.2052, 0.2188**, and if you desaturate by 10%, it is **37.0472, 0.2324, 0.2550**.

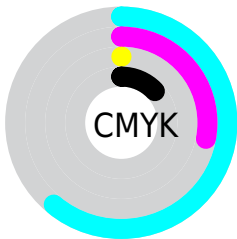
Distribution



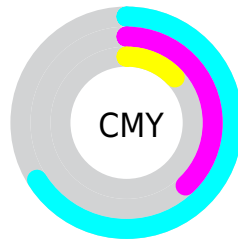
- Red (34%)
- Green (62%)
- Blue (87%)



- Red (34%)
- Yellow (53%)
- Blue (87%)



- Cyan (61%)
- Magenta (28%)
- Yellow (0%)
- Black (13%)



- Cyan (66%)
- Magenta (38%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.0964, 0.2180, 0.2371 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 32.0964, 0.2180, 0.2371 by changing the saturation by 10% instead.

■ 32.0964, 0.2180,
0.2371

■ 32.0964, 0.2180,
0.2371

■ 311.5582, 0.2660,
0.2843

■ 21.4351, 0.2061,
0.2253

■ 62.9622, 0.2354,
0.2544

■ 13.4424, 0.1911,
0.2102

■ 83.9355, 0.2420,
0.2608

■ 7.7339, 0.1716,
0.1905

■ 109.1150, 0.2476,
0.2663

■ 3.9252, 0.1457,
0.1639

■ 138.8849, 0.2523,
0.2709

■ 1.6318, 0.1108,
0.1276

■ 173.6299, 0.2565,
0.2750

■ 0.3789, 0.0465,
0.0657

■ 213.7341, 0.2601,

■ 0.0000, 0.0000,

0.2785

0.0000

259.5821, 0.2632,
0.2816

■ 32.0964, 0.2180,
0.2371

■ 32.0964, 0.2180,
0.2371

■ 27.7748, 0.2052,
0.2188

■ 37.0472, 0.2324,
0.2550

■ 24.0405, 0.1943,
0.2005

■ 42.6580, 0.2478,
0.2720

■ 20.8497, 0.1858,
0.1828

■ 48.9614, 0.2638,
0.2880

■ 18.3400, 0.1798,
0.1672

■ 55.9860, 0.2800,
0.3027

■ 63.7590, 0.2959,
0.3160

72.3056, 0.3114,
0.3280

81.6499, 0.3263,
0.3387

89.9577, 0.3338,
0.3486

96.2938, 0.3325,
0.3585

Harmonies

Analogous

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



32.0964, 0.2034, 0.2627



32.0964, 0.2180, 0.2371



32.0964, 0.2560, 0.2346

Triad

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



32.0964, 0.2180, 0.2371



32.0964, 0.4221, 0.3306



32.0964, 0.3031, 0.4266

Complementary

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



32.0964, 0.2180, 0.2371



38.0169, 0.4507, 0.4008

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.



32.0964, 0.3630, 0.4412



32.0964, 0.2180, 0.2371



32.0964, 0.4351, 0.3779

Square

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



32.0964, 0.2180, 0.2371



32.0964, 0.3754, 0.2864



32.0964, 0.4120, 0.4195



32.0964, 0.2489, 0.3753

Rectangle

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



32.0964, 0.2180, 0.2371



32.0964, 0.2923, 0.2445



32.0964, 0.4120, 0.4195



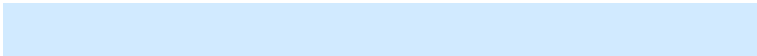
32.0964, 0.3233, 0.4362

Sweetspot

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



32.0975, 0.2180, 0.2371



79.4018, 0.2843, 0.3064



56.4079, 0.2748, 0.4383



16.3520, 0.2796, 0.3023



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.



32.0975, 0.2180, 0.2371



36.5467, 0.2020, 0.2138



15.2483, 0.1965, 0.1421



14.4482, 0.2981, 0.3178



11.1158, 0.1805, 0.1697



0.9493, 0.1878, 0.1962

Inverse Universe

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



24.8426, 0.3974, 0.2481



28.3312, 0.4249, 0.2387



64.9588, 0.4023, 0.4648



13.8222, 0.3209, 0.3166



10.0302, 0.4810, 0.2424



0.7133, 0.4496, 0.2251

Previews

White Background



This preview shows how the Yxy color 32.0964, 0.2180, 0.2371 looks on a white background.

Color Contrast Check

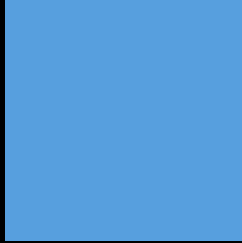
Large Text (above 18pt) WCAG AA × Fail

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 32.0964, 0.2180, 0.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

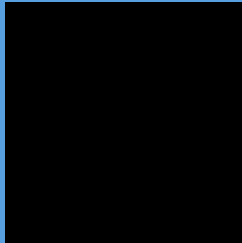
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0964, 0.2180, 0.2371

Background



This preview shows how black text looks on a background with the Yxy color 32.0964, 0.2180, 0.2371.

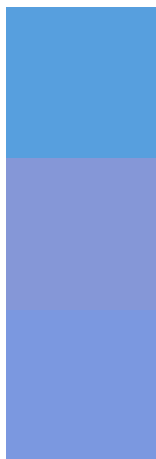


This preview shows how white text looks on a background with the Yxy color 32.0964, 0.2180, 0.2371.

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

32.0964, 0.2180, 0.2371

Protanopia

32.0261, 0.2467, 0.2394

Deuteranopia

32.0492, 0.2349, 0.2291



Tritanopia

32.1617, 0.2334, 0.3072

Trichromacy



Original Color

32.0964, 0.2180, 0.2371

Protanomaly

31.8862, 0.2342, 0.2377

Deuteranomaly

32.0854, 0.2282, 0.2327

Tritanomaly

31.9869, 0.2274, 0.2795

Monochromacy



Original Color

32.0964, 0.2180, 0.2371

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.1149, 0.2686, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0964, 0.2180, 0.2371 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(87, 159, 222)` looks like.

```
.text, #text, p{  
    color:rgb(87, 159, 222)  
}
```

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(87, 159, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 159, 222) }
```

Border

The CSS property to change the border of an element to Yxy 32.0964, 0.2180, 0.2371 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(87, 159, 222) }
```

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

```
.border{ border-color:rgb(87, 159, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 159, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 159, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 159, 222);  
box-shadow:4px 4px 4px 4px rgb(87, 159,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0964, 0.2180, 0.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 159, 222) }
```

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

```
.background{ background-color: rgb(87, 159,  
222) }
```

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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