

Converting Colors

$Yxy(32.0585, 0.2259, 0.2322)$

Have a look what the booklet for
Yxy(32.0585, 0.2259, 0.2322)
contains.

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Color

Yxy(32.2229, 0.2257, 0.2325)

Conversions

Conversions Part 1

Format	Color
Hex	6A9CE0
RGB	106, 156, 224
RGB Percent	42%, 61%, 88%
CMY	0.5846, 0.3882, 0.1216
CMYK	0.53, 0.30, 0.00, 0.12
HSL	215°, 66%, 65%
HSV	215°, 53%, 88%
XYZ	31.2805, 32.2229, 75.0898
YIQ	148.8020, -51.6280, 10.5480

Conversions

Conversions Part 2

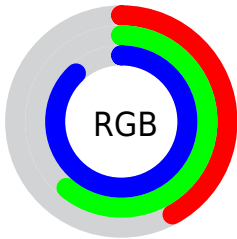
Format	Color
RYB	106, 141, 224
Decimal	6986976
CIELab	63.53, 2.42, -39.59
CIElCh	64, 39.659, 273.500
Yxy	32.2229, 0.2257, 0.2325
Android (android.graphics.Color)	4285177056 (0xFF6A9CE0)
YUV	148.8020, 37.0726, -37.5374
Hunter-Lab	56.7652, -0.9767, -38.6939

Details

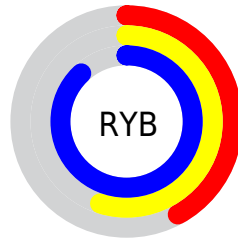
The Yxy color **32.2229, 0.2257, 0.2325** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.1272, 0.4187, 0.4072**, and the grayscale version is **29.8203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2057, 0.2552, 0.2769**, and **13.4658, 0.2007, 0.2053** is the 20% darker color. If you saturate the color by 10%, you get **26.9252, 0.2100, 0.2101**, and if you desaturate by 10%, it is **38.3408, 0.2424, 0.2541**.

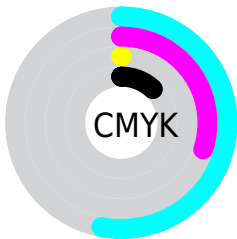
Distribution



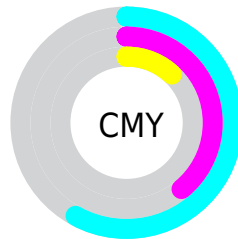
- Red (42%)
- Green (61%)
- Blue (88%)



- Red (42%)
- Yellow (55%)
- Blue (88%)



- Cyan (53%)
- Magenta (30%)
- Yellow (0%)
- Black (12%)





- Cyan (58%)
- Magenta (39%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2229, 0.2257, 0.2325 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 32.2229, 0.2257, 0.2325 by changing the saturation by 10% instead.


 32.2229, 0.2257,
0.2325


 32.2229, 0.2257,
0.2325


312.1334, 0.2701,
0.2814


 21.5318, 0.2146,
0.2204


 63.1604, 0.2419,
0.2502

 13.5133, 0.2005,
0.2051


 84.1755, 0.2480,
0.2569

 7.7829, 0.1822,
0.1853


 109.4008, 0.2531,
0.2626

 3.9564, 0.1576,
0.1589

139.2207, 0.2575,
0.2674

 1.6492, 0.1238,
0.1231

174.0195, 0.2613,
0.2716

 0.3904, 0.0697,
0.0633

214.1816, 0.2646,

 0.0000, 0.0000,

0.2753

0.0000

260.0914, 0.2675,
0.2785

■ 32.2229, 0.2257,
0.2325

■ 32.2229, 0.2257,
0.2325

■ 26.9252, 0.2100,
0.2101

■ 38.3408, 0.2424,
0.2541

■ 22.4016, 0.1960,
0.1876

■ 45.3148, 0.2595,
0.2743

■ 18.6052, 0.1841,
0.1657

■ 53.1820, 0.2764,
0.2930

■ 15.4806, 0.1750,
0.1451


■ 61.9765, 0.2929,
0.3100

■ 13.5686, 0.1698,
0.1313

■ 71.7302, 0.3086,
0.3252

 82.4735, 0.3234,
0.3387

 92.7383, 0.3320,
0.3509

 98.1617, 0.3310,
0.3592

Harmonies

Analogous

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



32.2229, 0.2036, 0.2511



32.2229, 0.2257, 0.2325



32.2229, 0.2708, 0.2366

Triad

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



32.2229, 0.2257, 0.2325



32.2229, 0.4322, 0.3449



32.2229, 0.2848, 0.4160

Complementary

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



32.2229, 0.2257, 0.2325



47.1272, 0.4187, 0.4072

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.



32.2229, 0.3457, 0.4434



32.2229, 0.2257, 0.2325



32.2229, 0.4337, 0.3924

Square

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



32.2229, 0.2257, 0.2325



32.2229, 0.3936, 0.2984



32.2229, 0.4007, 0.4306



32.2229, 0.2345, 0.3565

Rectangle

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



32.2229, 0.2257, 0.2325



32.2229, 0.3107, 0.2504



32.2229, 0.4007, 0.4306



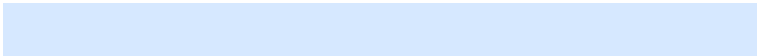
32.2229, 0.3047, 0.4297

Sweetspot

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



32.2240, 0.2257, 0.2325



78.9819, 0.2874, 0.3044



59.3813, 0.2705, 0.4004



16.3787, 0.2839, 0.3009



0.0000, 0.0000, 0.0000



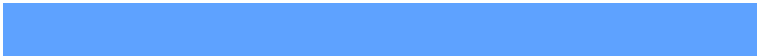
21.4041, 0.3127, 0.3290

Same Dimension

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



32.2240, 0.2257, 0.2325



35.6331, 0.2089, 0.2084



19.2413, 0.2169, 0.1636



14.1943, 0.2981, 0.3151



8.1152, 0.1706, 0.1341



0.7371, 0.1790, 0.1643

Inverse Universe

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



28.5428, 0.3982, 0.2713



31.9540, 0.4262, 0.2627



68.9677, 0.3829, 0.4583



13.7965, 0.3226, 0.3191



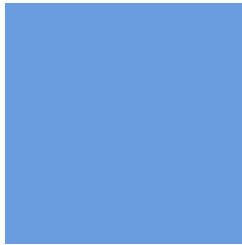
9.7273, 0.5270, 0.2677



0.6919, 0.4876, 0.2460

Previews

White Background



This preview shows how the Yxy color 32.2229, 0.2257, 0.2325 looks on a white background.

Color Contrast Check

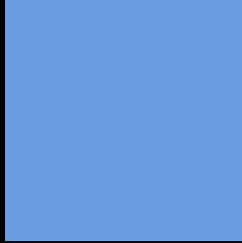
Large Text (above 18pt) WCAG AA × Fail

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 32.2229, 0.2257, 0.2325 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

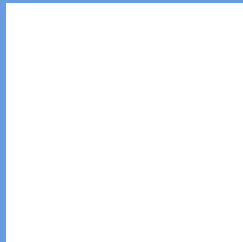
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.2229, 0.2257, 0.2325

Background



This preview shows how black text looks on a background with the Yxy color 32.2229, 0.2257, 0.2325.

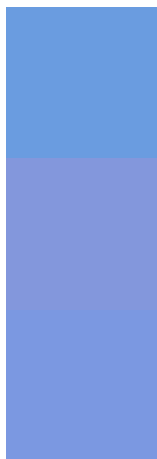


This preview shows how white text looks on a background with the Yxy color 32.2229, 0.2257, 0.2325.

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

32.2229, 0.2257, 0.2325

Protanopia

32.1258, 0.2423, 0.2334

Deuteranopia

32.1037, 0.2343, 0.2280



Tritanopia

32.2983, 0.2448, 0.3076

Trichromacy



Original Color

32.2229, 0.2257, 0.2325

Protanomaly

32.1405, 0.2361, 0.2337

Deuteranomaly

32.0006, 0.2308, 0.2285

Tritanomaly

32.2676, 0.2373, 0.2775

Monochromacy



Original Color

32.2229, 0.2257, 0.2325

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.5776, 0.2743, 0.2918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2229, 0.2257, 0.2325 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(106, 156, 224)` looks like.

```
.text, #text, p{  
    color:rgb(106, 156, 224)  
}
```

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(106, 156, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 156, 224) }
```

Border

The CSS property to change the border of an element to Yxy 32.2229, 0.2257, 0.2325 is called "border". The border property can be set on classes, ids or directly on the HTML element.

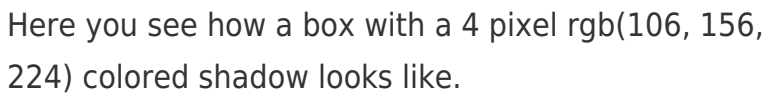
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 156, 224) }
```

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

```
.border{ border-color:rgb(106, 156, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 156, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 156, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 156, 224); box-shadow:4px 4px 4px 4px rgb(106, 156, 224) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2229, 0.2257, 0.2325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 156, 224) }
```

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

```
.background{ background-color: rgb(106,  
156, 224) }
```

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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