

Converting Colors

$Y_{xy}(32.9249, 0.2335, 0.2249)$

Have a look what the booklet for
Yxy(32.9249, 0.2335, 0.2249)
contains.

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Color

Yxy(32.8556, 0.2332, 0.2244)

Conversions

Conversions Part 1

Format	Color
Hex	7D99E6
RGB	125, 153, 230
RGB Percent	49%, 60%, 90%
CMY	0.5094, 0.4001, 0.0980
CMYK	0.46, 0.33, 0.00, 0.10
HSL	224°, 68%, 70%
HSV	224°, 46%, 90%
XYZ	34.1441, 32.8556, 79.4157
YIQ	153.4060, -41.4050, 18.0110

Conversions

Conversions Part 2

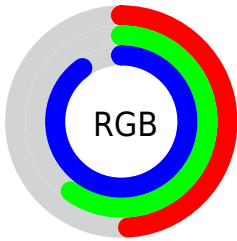
Format	Color
RYB	125, 147, 230
Decimal	8231398
CIELab	64.04, 10.42, -42.02
CIELCh	64, 43.296, 283.926
Yxy	32.8556, 0.2332, 0.2244
Android (android.graphics.Color)	4286421478 (0xFF7D99E6)
YUV	153.4060, 37.7608, -24.9121
Hunter-Lab	57.3198, 6.0186, -42.0215

Details

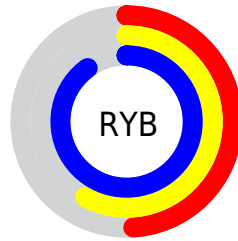
The Yxy color **32.8556, 0.2332, 0.2244** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **60.6170, 0.3932, 0.4145**, and the grayscale version is **31.8956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7907, 0.2653, 0.2748**, and **13.7877, 0.2096, 0.1956** is the 20% darker color. If you saturate the color by 10%, you get **26.1775, 0.2147, 0.1965**, and if you desaturate by 10%, it is **40.7196, 0.2520, 0.2511**.

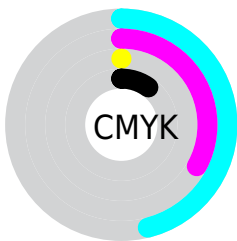
Distribution



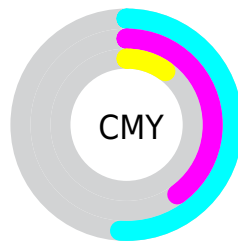
- Red (49%)
- Green (60%)
- Blue (90%)



- Red (49%)
- Yellow (58%)
- Blue (90%)



- Cyan (46%)
- Magenta (33%)
- Yellow (0%)
- Black (10%)





- Cyan (51%)
- Magenta (40%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8556, 0.2332, 0.2244 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 32.8556, 0.2332, 0.2244 by changing the saturation by 10% instead.


 32.8556, 0.2332,
0.2244


 32.8556, 0.2332,
0.2244


314.9986, 0.2740,
0.2763

 22.0158, 0.2230,
0.2119


 64.1500, 0.2481,
0.2430

 13.8685, 0.2100,
0.1962


 85.3735, 0.2537,
0.2501

 8.0293, 0.1929,
0.1762

 110.8270, 0.2584,
0.2561

 4.1137, 0.1700,
0.1500

140.8949, 0.2624,
0.2613

 1.7374, 0.1383,
0.1154

175.9616, 0.2659,
0.2658

 0.4477, 0.0939,
0.0618

216.4115, 0.2690,

 0.0000, 0.0000,

0.2697

0.0000

262.6290, 0.2716,
0.2732

■ 32.8556, 0.2332,
0.2244

■ 32.8556, 0.2332,
0.2244

■ 26.1775, 0.2147,
0.1965

■ 40.7196, 0.2520,
0.2511

■ 20.6210, 0.1973,
0.1686

■ 49.8221, 0.2704,
0.2759

■ 16.1205, 0.1821,
0.1418

■ 60.2167, 0.2879,
0.2985

■ 12.6015, 0.1698,
0.1176

■ 71.9526, 0.3042,
0.3187

■ 9.9771, 0.1612,
0.0974

■ 85.0765, 0.3191,
0.3366

■ 9.0632, 0.1583,
0.0899

■ 98.0611, 0.3274,
0.3526

■ 98.4940, 0.3274,
0.3532

Harmonies

Analogous

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



32.8556, 0.2009, 0.2350



32.8556, 0.2332, 0.2244



32.8556, 0.2888, 0.2366

Triad

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



32.8556, 0.2332, 0.2244



32.8556, 0.4475, 0.3632



32.8556, 0.2611, 0.4040

Complementary

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



32.8556, 0.2332, 0.2244



60.6170, 0.3932, 0.4145

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.



32.8556, 0.3246, 0.4488



32.8556, 0.2332, 0.2244



32.8556, 0.4344, 0.4125

Square

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



32.8556, 0.2332, 0.2244



32.8556, 0.4190, 0.3123



32.8556, 0.3882, 0.4478



32.8556, 0.2147, 0.3335

Rectangle

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



32.8556, 0.2332, 0.2244



32.8556, 0.3346, 0.2555



32.8556, 0.3882, 0.4478



32.8556, 0.2811, 0.4234

Sweetspot

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



32.8568, 0.2332, 0.2244



78.2462, 0.2904, 0.3018



65.2361, 0.2655, 0.3651



16.0955, 0.2868, 0.2971



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.



32.8568, 0.2332, 0.2244



33.3080, 0.2152, 0.1974



26.8524, 0.2451, 0.1928



14.5068, 0.2981, 0.3112



5.3015, 0.1590, 0.0924



0.5411, 0.1668, 0.1206

Inverse Universe

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



33.8184, 0.4019, 0.2972



35.7319, 0.4325, 0.2916



71.1410, 0.3615, 0.4485



14.4306, 0.3251, 0.3228



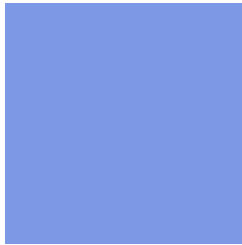
9.7329, 0.5874, 0.3009



0.7343, 0.5458, 0.2780

Previews

White Background



This preview shows how the Yxy color 32.8556, 0.2332, 0.2244 looks on a white background.

Color Contrast Check

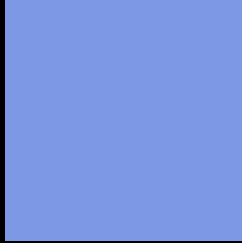
Large Text (above 18pt) WCAG AA × Fail

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 32.8556, 0.2332, 0.2244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

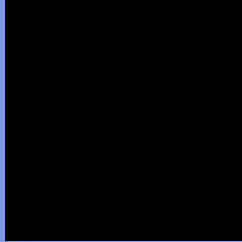
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

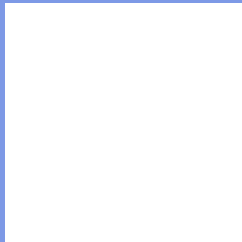
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.8556, 0.2332, 0.2244

Background



This preview shows how black text looks on a background with the Yxy color 32.8556, 0.2332, 0.2244.



This preview shows how white text looks on a background with the Yxy color 32.8556, 0.2332, 0.2244.

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

32.8556, 0.2332, 0.2244

Protanopia

32.7807, 0.2360, 0.2248

Deuteranopia

32.9619, 0.2315, 0.2254



Tritanopia

33.0402, 0.2579, 0.3082

Trichromacy



Original Color

32.8556, 0.2332, 0.2244

Protanomaly

32.7028, 0.2354, 0.2246

Deuteranomaly

33.0353, 0.2321, 0.2255

Tritanomaly

32.7720, 0.2480, 0.2745

Monochromacy



Original Color

32.8556, 0.2332, 0.2244

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.9583, 0.2791, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8556, 0.2332, 0.2244 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(125, 153, 230)` looks like.

```
.text, #text, p{  
    color:rgb(125, 153, 230)  
}
```

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(125, 153, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 153, 230) }
```

Border

The CSS property to change the border of an element to Yxy 32.8556, 0.2332, 0.2244 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(125, 153, 230) }
```

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

```
.border{ border-color:rgb(125, 153, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 153, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 153, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 153, 230);  
box-shadow:4px 4px 4px 4px rgb(125, 153,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8556, 0.2332, 0.2244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 153, 230) }
```

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

```
.background{ background-color: rgb(125,  
153, 230) }
```

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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