

Converting Colors

$Y_{xy}(32.5449, 0.2436, 0.2732)$

Have a look what the booklet for
Yxy(32.5449, 0.2436, 0.2732)
contains.

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Color

Yxy(32.4240, 0.2435, 0.2726)

Conversions

Conversions Part 1

Format	Color
Hex	6DA0C5
RGB	109, 160, 197
RGB Percent	43%, 63%, 77%
CMY	0.5722, 0.3726, 0.2274
CMYK	0.45, 0.19, 0.00, 0.23
HSL	205°, 43%, 60%
HSV	205°, 45%, 77%
XYZ	28.9627, 32.4240, 57.5568
YIQ	148.9690, -42.2730, 0.6950

Conversions

Conversions Part 2

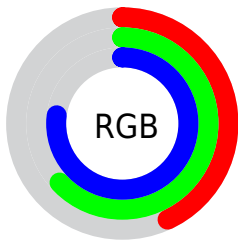
Format	Color
RYB	109, 141, 197
Decimal	7184581
CIELab	63.69, -7.04, -24.31
CIElCh	64, 25.310, 253.859
Yxy	32.4240, 0.2435, 0.2726
Android (android.graphics.Color)	4285374661 (0xFF6DA0C5)
YUV	148.9690, 23.6793, -35.0528
Hunter-Lab	56.9421, -8.8573, -20.0706

Details

The Yxy color **32.4240, 0.2435, 0.2726** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **33.5640, 0.4067, 0.3783**, and the grayscale version is **29.9605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6491, 0.2565, 0.2839**, and **13.7047, 0.2227, 0.2554** is the 20% darker color. If you saturate the color by 10%, you get **28.5315, 0.2291, 0.2572**, and if you desaturate by 10%, it is **36.7909, 0.2588, 0.2872**.

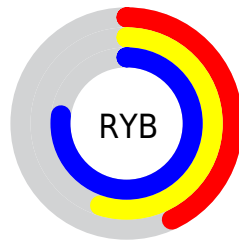
Distribution



Red (43%)

Green (63%)

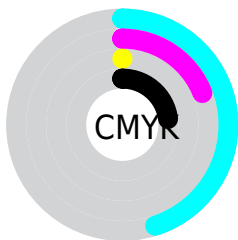
Blue (77%)



Red (43%)

Yellow (55%)

Blue (77%)

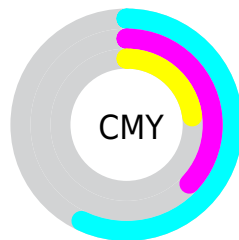


Cyan (45%)

Magenta (19%)

Yellow (0%)

Black (23%)



Cyan (57%)

Magenta (37%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4240, 0.2435, 0.2726 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 32.4240, 0.2435, 0.2726 by changing the saturation by 10% instead.

■ 32.4240, 0.2435,
0.2726

■ 32.4240, 0.2435,
0.2726

■ 313.0462, 0.2792,
0.3024

■ 21.6856, 0.2343,
0.2647

■ 63.4752, 0.2567,
0.2838

■ 13.6260, 0.2224,
0.2543

■ 84.5567, 0.2616,
0.2879

■ 7.8610, 0.2065,
0.2402

■ 109.8548, 0.2657,
0.2913

■ 4.0062, 0.1842,
0.2199

■ 139.7537, 0.2692,
0.2942

■ 1.6770, 0.1515,
0.1888

■ 174.6379, 0.2722,
0.2967

■ 0.4087, 0.0653,
0.1232

■ 214.8918, 0.2749,

■ 0.0000, 0.0000,

0.2989

0.0000

260.8998, 0.2772,
0.3007

■ 32.4240, 0.2435,
0.2726

■ 32.4240, 0.2435,
0.2726

■ 28.5315, 0.2291,
0.2572

■ 36.7909, 0.2588,
0.2872

■ 25.0870, 0.2159,
0.2411

■ 41.6492, 0.2744,
0.3007

■ 22.0667, 0.2045,
0.2248

■ 47.0195, 0.2902,
0.3130

■ 19.4421, 0.1950,
0.2085

■ 52.9200, 0.3057,
0.3242

■ 17.1792, 0.1878,
0.1926

■ 59.3676, 0.3207,
0.3342

■ 16.0808, 0.1845,
0.1843

■ 66.3786, 0.3352,
0.3432

■ 73.9685, 0.3489,
0.3510

■ 79.8684, 0.3532,
0.3588

■ 84.4977, 0.3514,
0.3669

Harmonies

Analogous

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



32.4240, 0.2396, 0.2969



32.4240, 0.2435, 0.2726



32.4240, 0.2646, 0.2642

Triad

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



32.4240, 0.2435, 0.2726



32.4240, 0.3748, 0.3205



32.4240, 0.3220, 0.3965

Complementary

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



32.4240, 0.2435, 0.2726



33.5640, 0.4067, 0.3783

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.



32.4240, 0.3598, 0.3994



32.4240, 0.2435, 0.2726



32.4240, 0.3919, 0.3530

Square

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



32.4240, 0.2435, 0.2726



32.4240, 0.3400, 0.2914



32.4240, 0.3859, 0.3821



32.4240, 0.2832, 0.3714

Rectangle

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



32.4240, 0.2435, 0.2726



32.4240, 0.2866, 0.2673



32.4240, 0.3859, 0.3821



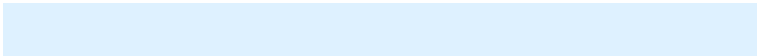
32.4240, 0.3353, 0.4000

Sweetspot

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



32.4252, 0.2435, 0.2726



85.6625, 0.2924, 0.3147



45.2569, 0.2837, 0.4082



17.8500, 0.2889, 0.3121



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.



32.4252, 0.2435, 0.2726



50.9683, 0.2288, 0.2569



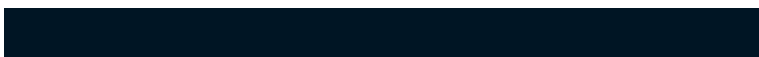
19.8727, 0.2314, 0.2027



11.2903, 0.2983, 0.3190



10.7449, 0.1851, 0.1863



0.6498, 0.1942, 0.2191

Inverse Universe

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



25.3629, 0.3610, 0.2628



38.0851, 0.3774, 0.2490



49.6636, 0.3820, 0.4298



10.7382, 0.3201, 0.3157



8.6247, 0.4611, 0.2314



0.4226, 0.4242, 0.2111

Previews

White Background



This preview shows how the Yxy color 32.4240, 0.2435, 0.2726 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 32.4240, 0.2435, 0.2726 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

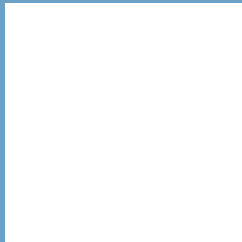
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.4240, 0.2435, 0.2726

Background



This preview shows how black text looks on a background with the Yxy color 32.4240, 0.2435, 0.2726.

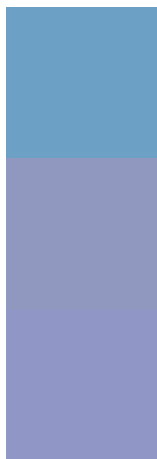


This preview shows how white text looks on a background with the Yxy color 32.4240, 0.2435, 0.2726.

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

32.4240, 0.2435, 0.2726

Protanopia

32.1474, 0.2721, 0.2722

Deuteranopia

32.1860, 0.2660, 0.2605



Tritanopia

32.6088, 0.2531, 0.3080

Trichromacy



Original Color

32.4240, 0.2435, 0.2726

Protanomaly

32.1182, 0.2605, 0.2725

Deuteranomaly

32.0137, 0.2569, 0.2644

Tritanomaly

32.6583, 0.2497, 0.2957

Monochromacy



Original Color

32.4240, 0.2435, 0.2726

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.6040, 0.2833, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4240, 0.2435, 0.2726 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(109, 160, 197)` looks like.

```
.text, #text, p{  
    color:rgb(109, 160, 197)  
}
```

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(109, 160, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 160, 197) }
```

Border

The CSS property to change the border of an element to Yxy 32.4240, 0.2435, 0.2726 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(109, 160, 197) }
```

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

```
.border{ border-color:rgb(109, 160, 197) }
```

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

Here you see how a box with a 4 pixel rgb(109, 160, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 160, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 160, 197);  
box-shadow:4px 4px 4px 4px rgb(109, 160,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4240, 0.2435, 0.2726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 160, 197) }
```

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

```
.background{ background-color: rgb(109,  
160, 197) }
```

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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