

Converting Colors

$Y_{xy}(32.3009, 0.2443, 0.2790)$

Have a look what the booklet for
Yxy(32.3009, 0.2443, 0.2790)
contains.

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Color

Yxy(32.4042, 0.2442, 0.2795)

Conversions

Conversions Part 1

Format	Color
Hex	6AA1C1
RGB	106, 161, 193
RGB Percent	42%, 63%, 76%
CMY	0.5845, 0.3686, 0.2431
CMYK	0.45, 0.17, 0.00, 0.24
HSL	202°, 41%, 59%
HSV	202°, 45%, 76%
XYZ	28.3116, 32.4042, 55.2205
YIQ	148.2030, -43.0520, -1.7080

Conversions

Conversions Part 2

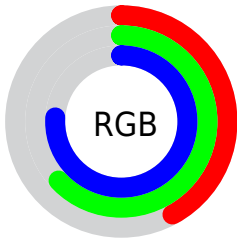
Format	Color
RYB	106, 140, 193
Decimal	6988225
CIELab	63.68, -9.51, -22.12
CIELCh	64, 24.078, 246.745
Yxy	32.4042, 0.2442, 0.2795
Android (android.graphics.Color)	4285178305 (0xFF6AA1C1)
YUV	148.2030, 22.0849, -37.0120
Hunter-Lab	56.9247, -10.8407, -17.6677

Details

The Yxy color **32.4042, 0.2442, 0.2795** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **30.5457, 0.4109, 0.3726**, and the grayscale version is **29.6205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5909, 0.2570, 0.2893**, and **13.5052, 0.2235, 0.2626** is the 20% darker color. If you saturate the color by 10%, you get **28.9432, 0.2305, 0.2662**, and if you desaturate by 10%, it is **36.2745, 0.2588, 0.2921**.

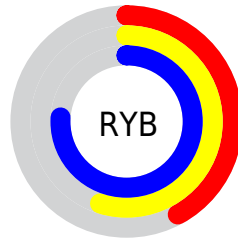
Distribution



Red (42%)

Green (63%)

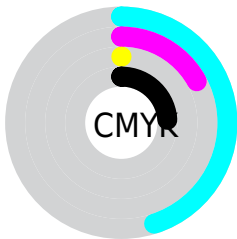
Blue (76%)



Red (42%)

Yellow (55%)

Blue (76%)

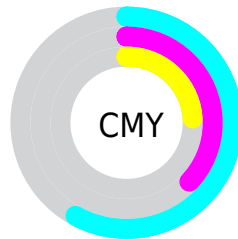


Cyan (45%)

Magenta (17%)

Yellow (0%)

Black (24%)



Cyan (58%)

Magenta (37%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4042, 0.2442, 0.2795 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 32.4042, 0.2442, 0.2795 by changing the saturation by 10% instead.

■ 32.4042, 0.2442,
0.2795

■ 32.4042, 0.2442,
0.2795

■ 312.9564, 0.2796,
0.3059

■ 21.6704, 0.2351,
0.2724

■ 63.4442, 0.2573,
0.2895

■ 13.6149, 0.2233,
0.2630

■ 84.5192, 0.2621,
0.2931

■ 7.8533, 0.2074,
0.2501

■ 109.8101, 0.2662,
0.2961

■ 4.0012, 0.1851,
0.2313

■ 139.7013, 0.2697,
0.2987

■ 1.6743, 0.1522,
0.2019

■ 174.5771, 0.2727,
0.3009

■ 0.4069, 0.0523,
0.1376

■ 214.8219, 0.2753,

■ 0.0000, 0.0000,

0.3028

0.0000

260.8203, 0.2775,
0.3045

■ 32.4042, 0.2442,
0.2795

■ 32.4042, 0.2442,
0.2795

■ 28.9432, 0.2305,
0.2662

■ 36.2745, 0.2588,
0.2921

■ 25.8674, 0.2182,
0.2523

■ 40.5691, 0.2741,
0.3038

■ 23.1554, 0.2077,
0.2382

■ 45.3064, 0.2895,
0.3146

■ 20.7811, 0.1991,
0.2241

■ 50.5026, 0.3050,
0.3244

■ 18.7135, 0.1926,
0.2102

■ 56.1730, 0.3201,
0.3332

■ 17.7828, 0.1899,
0.2035

■ 62.3321, 0.3347,
0.3410

■ 68.9934, 0.3487,
0.3480

■ 75.1372, 0.3580,
0.3545

■ 78.8916, 0.3563,
0.3615

Harmonies

Analogous

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



32.4042, 0.2446, 0.3060



32.4042, 0.2442, 0.2795



32.4042, 0.2607, 0.2676

Triad

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



32.4042, 0.2442, 0.2795



32.4042, 0.3651, 0.3139



32.4042, 0.3307, 0.3957

Complementary

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



32.4042, 0.2442, 0.2795



30.5457, 0.4109, 0.3726

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.



32.4042, 0.3649, 0.3936



32.4042, 0.2442, 0.2795



32.4042, 0.3860, 0.3447

Square

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



32.4042, 0.2442, 0.2795



32.4042, 0.3296, 0.2876



32.4042, 0.3857, 0.3739



32.4042, 0.2930, 0.3764

Rectangle

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



32.4042, 0.2442, 0.2795



32.4042, 0.2799, 0.2683



32.4042, 0.3857, 0.3739



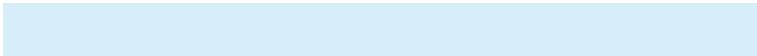
32.4042, 0.3430, 0.3973

Sweetspot

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



32.4054, 0.2442, 0.2795



81.9202, 0.2909, 0.3155



43.0383, 0.2862, 0.4163



17.1605, 0.2875, 0.3133



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



32.4054, 0.2442, 0.2795



51.9800, 0.2309, 0.2665



19.7682, 0.2318, 0.2084



10.7857, 0.2984, 0.3203



11.9830, 0.1904, 0.2053



0.6456, 0.1989, 0.2360

Inverse Universe

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



24.2128, 0.3556, 0.2564



36.7401, 0.3690, 0.2422



45.5913, 0.3849, 0.4259



10.1827, 0.3193, 0.3145



8.4919, 0.4394, 0.2194



0.3798, 0.4064, 0.2012

Previews

White Background



This preview shows how the Yxy color 32.4042, 0.2442, 0.2795 looks on a white background.

Color Contrast Check

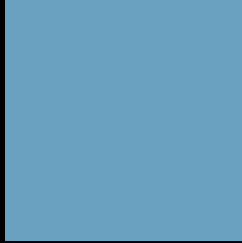
Large Text (above 18pt) WCAG AA × Fail

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 32.4042, 0.2442, 0.2795 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

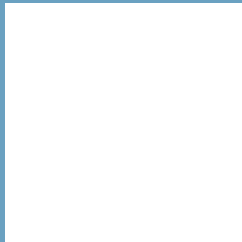
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.4042, 0.2442, 0.2795

Background



This preview shows how black text looks on a background with the Yxy color 32.4042, 0.2442, 0.2795.

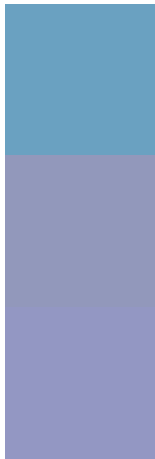


This preview shows how white text looks on a background with the Yxy color 32.4042, 0.2442, 0.2795.

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

32.4042, 0.2442, 0.2795

Protanopia

32.1553, 0.2769, 0.2778

Deuteranopia

32.2764, 0.2715, 0.2660



Tritanopia

32.4919, 0.2518, 0.3079

Trichromacy



Original Color

32.4042, 0.2442, 0.2795

Protanomaly

31.9421, 0.2634, 0.2779

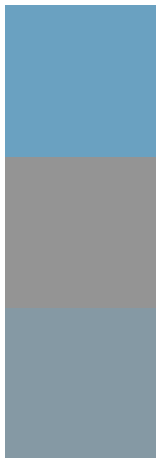
Deuteranomaly

32.2433, 0.2606, 0.2713

Tritanomaly

32.4968, 0.2490, 0.2971

Monochromacy



Original Color

32.4042, 0.2442, 0.2795

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.4493, 0.2840, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4042, 0.2442, 0.2795 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, 161, 193)` looks like.

```
.text, #text, p{  
    color:rgb(106, 161, 193)  
}
```

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, 161, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 161, 193) }
```

Border

The CSS property to change the border of an element to Yxy 32.4042, 0.2442, 0.2795 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, 161, 193) }
```

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

```
.border{ border-color:rgb(106, 161, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 161, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 161, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 161, 193);  
box-shadow:4px 4px 4px 4px rgb(106, 161,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4042, 0.2442, 0.2795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 161, 193) }
```

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

```
.background{ background-color: rgb(106,  
161, 193) }
```

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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