

Converting Colors

$Y_{xy}(32.1565, 0.2450, 0.2807)$

Have a look what the booklet for
Yxy(32.1565, 0.2450, 0.2807)
contains.

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Color

Yxy(32.0116, 0.2446, 0.2793)

Conversions

Conversions Part 1

Format	Color
Hex	6AA0C0
RGB	106, 160, 192
RGB Percent	42%, 63%, 75%
CMY	0.5840, 0.3726, 0.2471
CMYK	0.45, 0.17, 0.00, 0.25
HSL	202°, 41%, 58%
HSV	202°, 45%, 75%
XYZ	28.0345, 32.0116, 54.5676
YIQ	147.5020, -42.4560, -1.4960

Conversions

Conversions Part 2

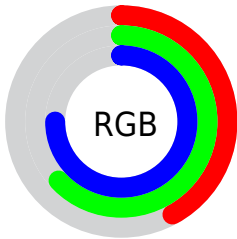
Format	Color
RYB	106, 139, 192
Decimal	6987968
CIELab	63.35, -9.21, -22.05
CIELCh	63, 23.893, 247.335
Yxy	32.0116, 0.2446, 0.2793
Android (android.graphics.Color)	4285178048 (0xFF6AA0C0)
YUV	147.5020, 21.9375, -36.3973
Hunter-Lab	56.5788, -10.5670, -17.5772

Details

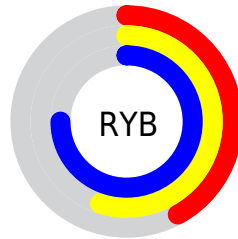
The Yxy color **32.0116, 0.2446, 0.2793** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **30.4462, 0.4095, 0.3729**, and the grayscale version is **29.3233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9553, 0.2579, 0.2902**, and **13.4761, 0.2242, 0.2645** is the 20% darker color. If you saturate the color by 10%, you get **28.5559, 0.2308, 0.2658**, and if you desaturate by 10%, it is **35.8757, 0.2593, 0.2920**.

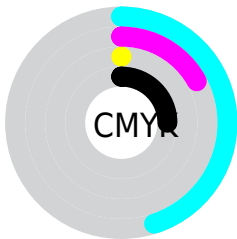
Distribution



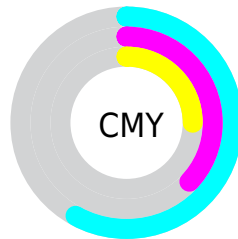
- Red (42%)
- Green (63%)
- Blue (75%)



- Red (42%)
- Yellow (55%)
- Blue (75%)



- Cyan (45%)
- Magenta (17%)
- Yellow (0%)
- Black (25%)



- Cyan (58%)
- Magenta (37%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.0116, 0.2446, 0.2793 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 32.0116, 0.2446, 0.2793 by changing the saturation by 10% instead.

■ 32.0116, 0.2446,
0.2793

■ 32.0116, 0.2446,
0.2793

■ 311.1721, 0.2798,
0.3059

■ 21.3704, 0.2355,
0.2722

■ 62.8293, 0.2576,
0.2893

■ 13.3950, 0.2237,
0.2627

■ 83.7745, 0.2625,
0.2930

■ 7.7011, 0.2078,
0.2496

■ 108.9232, 0.2665,
0.2960

■ 3.9043, 0.1854,
0.2306

■ 138.6597, 0.2700,
0.2986

■ 1.6202, 0.1522,
0.2008

■ 173.3684, 0.2730,
0.3008

■ 0.3711, 0.0455,
0.1318

■ 213.4338, 0.2756,

■ 0.0000, 0.0000,

0.3027

0.0000

259.2402, 0.2778,
0.3044

■ 32.0116, 0.2446,
0.2793

■ 32.0116, 0.2446,
0.2793

■ 28.5559, 0.2308,
0.2658

■ 35.8757, 0.2593,
0.2920

■ 25.4849, 0.2184,
0.2518

■ 40.1631, 0.2746,
0.3039

■ 22.7773, 0.2077,
0.2375

■ 44.8920, 0.2901,
0.3148

■ 20.4076, 0.1990,
0.2232

■ 50.0785, 0.3055,
0.3247

■ 18.3452, 0.1924,
0.2091

■ 55.7376, 0.3206,
0.3335

■ 17.3554, 0.1894,
0.2018

■ 61.8837, 0.3352,
0.3414

■ 68.5304, 0.3491,
0.3484

■ 74.7949, 0.3588,
0.3549

■ 78.5663, 0.3571,
0.3620

Harmonies

Analogous

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



32.0116, 0.2446, 0.3055



32.0116, 0.2446, 0.2793



32.0116, 0.2614, 0.2678

Triad

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



32.0116, 0.2446, 0.2793



32.0116, 0.3655, 0.3145



32.0116, 0.3299, 0.3953

Complementary

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



32.0116, 0.2446, 0.2793



30.4462, 0.4095, 0.3729

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.



32.0116, 0.3642, 0.3936



32.0116, 0.2446, 0.2793



32.0116, 0.3860, 0.3453

Square

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



32.0116, 0.2446, 0.2793



32.0116, 0.3304, 0.2882



32.0116, 0.3852, 0.3742



32.0116, 0.2924, 0.3757

Rectangle

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



32.0116, 0.2446, 0.2793



32.0116, 0.2806, 0.2686



32.0116, 0.3852, 0.3742



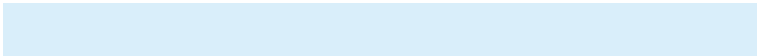
32.0116, 0.3422, 0.3971

Sweetspot

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



32.0128, 0.2446, 0.2793



82.7435, 0.2925, 0.3164



42.5887, 0.2864, 0.4155



17.3204, 0.2890, 0.3141



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.



32.0128, 0.2446, 0.2793



51.6785, 0.2307, 0.2657



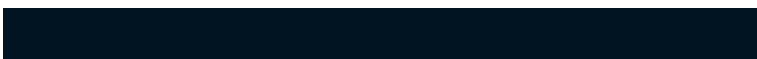
19.7197, 0.2325, 0.2095



10.7774, 0.2984, 0.3202



11.8321, 0.1899, 0.2036



0.6398, 0.1985, 0.2347

Inverse Universe

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



24.0662, 0.3557, 0.2575



36.7097, 0.3698, 0.2428



45.1087, 0.3843, 0.4252



10.1818, 0.3193, 0.3147



8.4767, 0.4413, 0.2205



0.3792, 0.4077, 0.2020

Previews

White Background



This preview shows how the Yxy color 32.0116, 0.2446, 0.2793 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 32.0116, 0.2446, 0.2793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

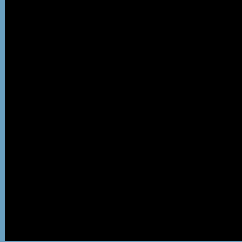
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

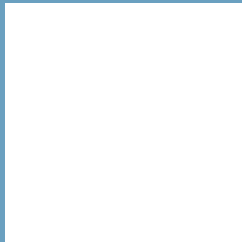
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.0116, 0.2446, 0.2793

Background



This preview shows how black text looks on a background with the Yxy color 32.0116, 0.2446, 0.2793.

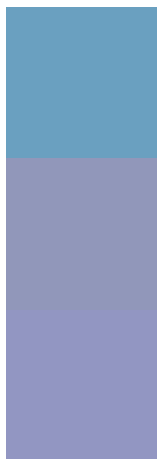


This preview shows how white text looks on a background with the Yxy color 32.0116, 0.2446, 0.2793.

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

32.0116, 0.2446, 0.2793

Protanopia

31.6981, 0.2767, 0.2775

Deuteranopia

31.8187, 0.2713, 0.2656



Tritanopia

32.0957, 0.2522, 0.3078

Trichromacy



Original Color

32.0116, 0.2446, 0.2793

Protanomaly

31.5673, 0.2639, 0.2778

Deuteranomaly

31.7868, 0.2604, 0.2710

Tritanomaly

32.1016, 0.2494, 0.2970

Monochromacy



Original Color

32.0116, 0.2446, 0.2793

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.1234, 0.2840, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0116, 0.2446, 0.2793 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, 160, 192)` looks like.

```
.text, #text, p{  
    color:rgb(106, 160, 192)  
}
```

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, 160, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 160, 192) }
```

Border

The CSS property to change the border of an element to Yxy 32.0116, 0.2446, 0.2793 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, 160, 192) }
```

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

```
.border{ border-color:rgb(106, 160, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 160, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 160, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 160, 192);  
box-shadow:4px 4px 4px 4px rgb(106, 160,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0116, 0.2446, 0.2793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 160, 192) }
```

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

```
.background{ background-color: rgb(106,  
160, 192) }
```

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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