

Converting Colors

$Y_{xy}(32.3894, 0.2399, 0.2685)$

Have a look what the booklet for
Yxy(32.3894, 0.2399, 0.2685)
contains.

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Color

Yxy(32.3759, 0.2398, 0.2683)

Conversions

Conversions Part 1

Format	Color
Hex	6AA0C8
RGB	106, 160, 200
RGB Percent	42%, 63%, 78%
CMY	0.5844, 0.3725, 0.2157
CMYK	0.47, 0.20, 0.00, 0.22
HSL	206°, 46%, 60%
HSV	206°, 47%, 78%
XYZ	28.9368, 32.3759, 59.3578
YIQ	148.4140, -45.0240, 0.9920

Conversions

Conversions Part 2

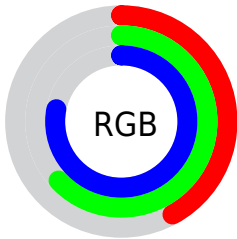
Format	Color
R _Y B	106, 140, 200
Decimal	6987976
CIE Lab	63.65, -6.97, -26.05
CIE LCh	64, 26.965, 255.027
Yxy	32.3759, 0.2398, 0.2683
Android (android.graphics.Color)	4285178056 (0xFF6AA0C8)
YUV	148.4140, 25.4319, -37.1971
Hunter-Lab	56.8998, -8.7973, -22.0214

Details

The Yxy color $32.3759, 0.2398, 0.2683$ is a light color, and the websafe version is hex $6699CC$. A complement of this color would be $33.8636, 0.4132, 0.3814$, and the grayscale version is $29.7010, 0.3127, 0.3290$.

A 20% lighter version of the original color is $63.5023, 0.2549, 0.2827$, and $13.6907, 0.2182, 0.2495$ is the 20% darker color. If you saturate the color by 10%, you get $28.4427, 0.2256, 0.2525$, and if you desaturate by 10%, it is $36.7989, 0.2550, 0.2833$.

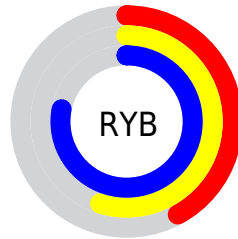
Distribution



Red (42%)

Green (63%)

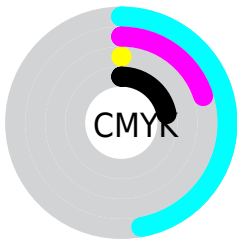
Blue (78%)



Red (42%)

Yellow (55%)

Blue (78%)

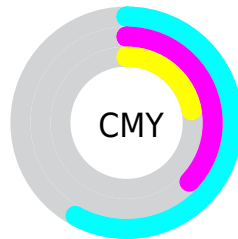


Cyan (47%)

Magenta (20%)

Yellow (0%)

Black (22%)



Cyan (58%)

Magenta (37%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3759, 0.2398, 0.2683 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 32.3759, 0.2398, 0.2683 by changing the saturation by 10% instead.

■ 32.3759, 0.2398,
0.2683

■ 32.3759, 0.2398,
0.2683

■ 312.8281, 0.2773,
0.3003

■ 21.6488, 0.2302,
0.2599

■ 63.3999, 0.2536,
0.2803

■ 13.5991, 0.2178,
0.2488

■ 84.4656, 0.2588,
0.2847

■ 7.8423, 0.2012,
0.2338

■ 109.7463, 0.2631,
0.2883

■ 3.9942, 0.1782,
0.2125

■ 139.6263, 0.2668,
0.2915

■ 1.6703, 0.1448,
0.1802

■ 174.4901, 0.2700,
0.2941

■ 0.4043, 0.0604,
0.1139

■ 214.7221, 0.2728,

■ 0.0000, 0.0000,

0.2965

0.0000

260.7066, 0.2752,
0.2985

■ 32.3759, 0.2398,
0.2683

■ 32.3759, 0.2398,
0.2683

■ 28.4427, 0.2256,
0.2525

■ 36.7989, 0.2550,
0.2833

■ 24.9716, 0.2127,
0.2362

■ 41.7303, 0.2706,
0.2972

■ 21.9368, 0.2017,
0.2196

■ 47.1916, 0.2864,
0.3100

■ 19.3075, 0.1927,
0.2032

■ 53.2021, 0.3020,
0.3216

■ 17.0435, 0.1859,
0.1873

■ 59.7799, 0.3172,
0.3320

■ 16.4159, 0.1841,
0.1826

■ 66.9420, 0.3318,
0.3413

■ 74.7048, 0.3457,
0.3495

■ 80.9430, 0.3507,
0.3575

■ 85.7397, 0.3490,
0.3657

Harmonies

Analogous

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



32.3759, 0.2349, 0.2933



32.3759, 0.2398, 0.2683



32.3759, 0.2628, 0.2602

Triad

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



32.3759, 0.2398, 0.2683



32.3759, 0.3800, 0.3211



32.3759, 0.3208, 0.4006

Complementary

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



32.3759, 0.2398, 0.2683



33.8636, 0.4132, 0.3814

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.



32.3759, 0.3613, 0.4044



32.3759, 0.2398, 0.2683



32.3759, 0.3973, 0.3555

Square

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



32.3759, 0.2398, 0.2683



32.3759, 0.3434, 0.2901



32.3759, 0.3899, 0.3863



32.3759, 0.2797, 0.3729

Rectangle

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



32.3759, 0.2398, 0.2683



32.3759, 0.2864, 0.2640



32.3759, 0.3899, 0.3863



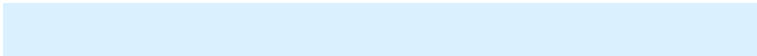
32.3759, 0.3349, 0.4047

Sweetspot

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



32.3771, 0.2398, 0.2683



84.5393, 0.2908, 0.3134



46.4139, 0.2825, 0.4134



17.6222, 0.2874, 0.3107



0.0000, 0.0000, 0.0000



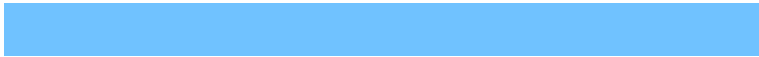
21.4041, 0.3127, 0.3290

Same Dimension

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



32.3771, 0.2398, 0.2683



49.3814, 0.2258, 0.2528



19.2264, 0.2264, 0.1947



11.2826, 0.2983, 0.3189



10.6202, 0.1847, 0.1848



0.6443, 0.1939, 0.2179

Inverse Universe

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



25.1206, 0.3653, 0.2598



36.7997, 0.3816, 0.2471



51.0835, 0.3856, 0.4348



10.7374, 0.3201, 0.3158



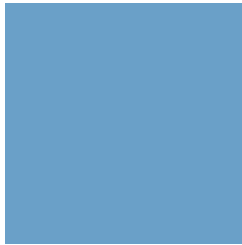
8.6121, 0.4628, 0.2323



0.4221, 0.4255, 0.2118

Previews

White Background



This preview shows how the Yxy color 32.3759, 0.2398, 0.2683 looks on a white background.

Color Contrast Check

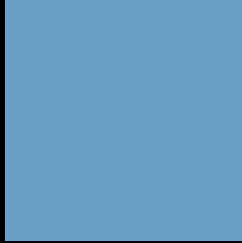
Large Text (above 18pt) WCAG AA × Fail

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 32.3759, 0.2398, 0.2683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

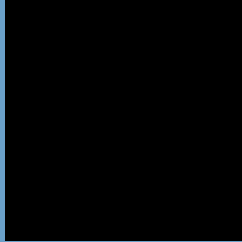
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

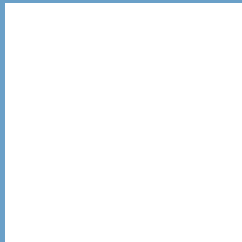
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.3759, 0.2398, 0.2683

Background



This preview shows how black text looks on a background with the Yxy color 32.3759, 0.2398, 0.2683.



This preview shows how white text looks on a background with the Yxy color 32.3759, 0.2398, 0.2683.

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

32.3759, 0.2398, 0.2683

Protanopia

32.1912, 0.2690, 0.2682

Deuteranopia

32.1483, 0.2623, 0.2564



Tritanopia

32.3779, 0.2506, 0.3078

Trichromacy



Original Color

32.3759, 0.2398, 0.2683

Protanomaly

32.1740, 0.2577, 0.2684

Deuteranomaly

31.9954, 0.2534, 0.2603

Tritanomaly

32.5219, 0.2472, 0.2941

Monochromacy



Original Color

32.3759, 0.2398, 0.2683

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.2330, 0.2815, 0.3053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3759, 0.2398, 0.2683 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(106, 160, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 160, 200) }
```

Border

The CSS property to change the border of an element to Yxy 32.3759, 0.2398, 0.2683 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, 200) }
```

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

```
.border{ border-color:rgb(106, 160, 200) }
```

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, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 160, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 160, 200);  
box-shadow:4px 4px 4px 4px rgb(106, 160,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3759, 0.2398, 0.2683 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, 200) }
```

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

```
.background{ background-color: rgb(106,  
160, 200) }
```

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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