

Converting Colors

$Y_{xy}(33.0538, 0.2316, 0.2519)$

Have a look what the booklet for
Yxy(33.0538, 0.2316, 0.2519)
contains.

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Color

Yxy(32.8888, 0.2314, 0.2513)

Conversions

Conversions Part 1

Format	Color
Hex	68A0D5
RGB	104, 160, 213
RGB Percent	41%, 63%, 84%
CMY	0.5924, 0.3725, 0.1647
CMYK	0.51, 0.25, 0.00, 0.16
HSL	209°, 56%, 62%
HSV	209°, 51%, 84%
XYZ	30.2844, 32.8888, 67.7015
YIQ	149.2980, -50.3890, 4.6110

Conversions

Conversions Part 2

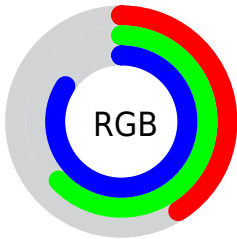
Format	Color
RYB	104, 141, 213
Decimal	6856917
CIELab	64.07, -3.63, -32.65
CIELCh	64, 32.851, 263.660
Yxy	32.8888, 0.2314, 0.2513
Android (android.graphics.Color)	4285046997 (0xFF68A0D5)
YUV	149.2980, 31.4051, -39.7263
Hunter-Lab	57.3488, -6.0991, -29.8490

Details

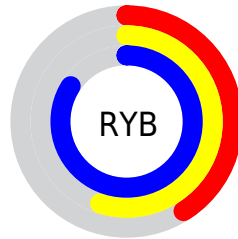
The Yxy color **32.8888, 0.2314, 0.2513** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.2338, 0.4213, 0.3937**, and the grayscale version is **30.0635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3979, 0.2544, 0.2827**, and **13.9414, 0.2079, 0.2286** is the 20% darker color. If you saturate the color by 10%, you get **28.3328, 0.2168, 0.2327**, and if you desaturate by 10%, it is **38.0677, 0.2470, 0.2691**.

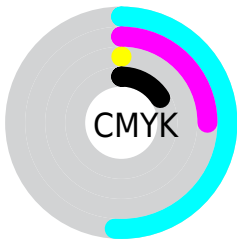
Distribution



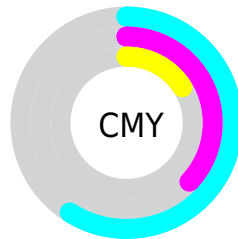
- Red (41%)
- Green (63%)
- Blue (84%)



- Red (41%)
- Yellow (55%)
- Blue (84%)



- Cyan (51%)
- Magenta (25%)
- Yellow (0%)
- Black (16%)



- Cyan (59%)
- Magenta (37%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8888, 0.2314, 0.2513 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 32.8888, 0.2314, 0.2513 by changing the saturation by 10% instead.

■ 32.8888, 0.2314,
0.2513

■ 32.8888, 0.2314,
0.2513

■ 315.1484, 0.2729,
0.2915

■ 22.0413, 0.2210,
0.2411

■ 64.2019, 0.2466,
0.2661

■ 13.8872, 0.2076,
0.2279

■ 85.4362, 0.2523,
0.2716

■ 8.0423, 0.1900,
0.2104

■ 110.9016, 0.2571,
0.2762

■ 4.1220, 0.1661,
0.1863

■ 140.9825, 0.2612,
0.2802

■ 1.7420, 0.1325,
0.1518

■ 176.0632, 0.2647,
0.2836

■ 0.4507, 0.0689,
0.0914

■ 216.5281, 0.2678,

■ 0.0000, 0.0000,

0.2865

0.0000

262.7617, 0.2705,
0.2892

■ 32.8888, 0.2314,
0.2513

■ 32.8888, 0.2314,
0.2513

■ 28.3328, 0.2168,
0.2327

■ 38.0677, 0.2470,
0.2691

■ 24.3641, 0.2038,
0.2137

■ 43.8951, 0.2632,
0.2858

■ 20.9481, 0.1927,
0.1947

■ 50.3991, 0.2794,
0.3011

■ 18.0431, 0.1840,
0.1764

■ 57.6048, 0.2954,
0.3151

■ 15.8511, 0.1781,
0.1610

■ 65.5360, 0.3109,
0.3276

■ 74.2152, 0.3257,
0.3388

■ 83.6636, 0.3397,
0.3486

■ 90.0470, 0.3394,
0.3586

■ 96.4100, 0.3378,
0.3684

Harmonies

Analogous

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



32.8888, 0.2193, 0.2746



32.8888, 0.2314, 0.2513



32.8888, 0.2639, 0.2481

Triad

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



32.8888, 0.2314, 0.2513



32.8888, 0.4035, 0.3303



32.8888, 0.3068, 0.4101

Complementary

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



32.8888, 0.2314, 0.2513



39.2338, 0.4213, 0.3937

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.



32.8888, 0.3574, 0.4226



32.8888, 0.2314, 0.2513



32.8888, 0.4157, 0.3710

Square

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



32.8888, 0.2314, 0.2513



32.8888, 0.3641, 0.2921



32.8888, 0.3978, 0.4056



32.8888, 0.2602, 0.3689

Rectangle

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



32.8888, 0.2314, 0.2513



32.8888, 0.2947, 0.2561



32.8888, 0.3978, 0.4056



32.8888, 0.3239, 0.4179

Sweetspot

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



32.8900, 0.2314, 0.2513



82.1643, 0.2891, 0.3097



52.9501, 0.2765, 0.4118



17.0930, 0.2857, 0.3067



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.



32.8900, 0.2314, 0.2513



42.3092, 0.2162, 0.2319



18.0024, 0.2154, 0.1697



13.0541, 0.2982, 0.3174



9.8881, 0.1788, 0.1635



0.7619, 0.1873, 0.1941

Inverse Universe

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



26.5736, 0.3810, 0.2614



33.5411, 0.4025, 0.2504



61.8230, 0.3880, 0.4503



12.5263, 0.3211, 0.3171



9.3431, 0.4888, 0.2466



0.5802, 0.4520, 0.2263

Previews

White Background



This preview shows how the Yxy color 32.8888, 0.2314, 0.2513 looks on a white background.

Color Contrast Check

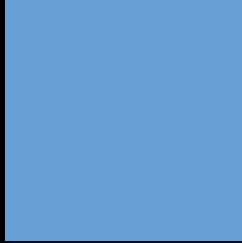
Large Text (above 18pt) WCAG AA × Fail

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 32.8888, 0.2314, 0.2513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

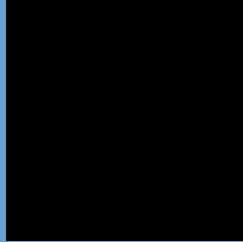
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8888, 0.2314, 0.2513

Background



This preview shows how black text looks on a background with the Yxy color 32.8888, 0.2314, 0.2513.

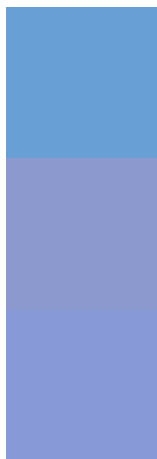


This preview shows how white text looks on a background with the Yxy color 32.8888, 0.2314, 0.2513.

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

32.8888, 0.2314, 0.2513

Protanopia

32.7764, 0.2568, 0.2527

Deuteranopia

32.8397, 0.2486, 0.2426



Tritanopia

32.8949, 0.2457, 0.3062

Trichromacy



Original Color

32.8888, 0.2314, 0.2513

Protanomaly

32.8160, 0.2466, 0.2528

Deuteranomaly

32.9171, 0.2422, 0.2465

Tritanomaly

32.8981, 0.2403, 0.2851

Monochromacy



Original Color

32.8888, 0.2314, 0.2513

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.7476, 0.2776, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8888, 0.2314, 0.2513 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(104, 160, 213)` looks like.

```
.text, #text, p{  
    color:rgb(104, 160, 213)  
}
```

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(104, 160, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 160, 213) }
```

Border

The CSS property to change the border of an element to Yxy 32.8888, 0.2314, 0.2513 is called "border". The border property can be set on classes, ids or directly on the HTML element.

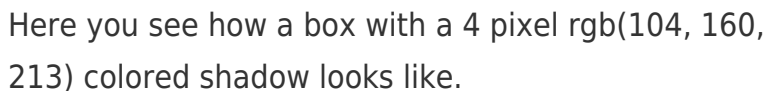
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(104, 160, 213) }
```

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

```
.border{ border-color:rgb(104, 160, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(104, 160, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 160, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 160, 213);  
box-shadow:4px 4px 4px 4px rgb(104, 160,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8888, 0.2314, 0.2513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 160, 213) }
```

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

```
.background{ background-color: rgb(104,  
160, 213) }
```

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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