

Converting Colors

$Y_{xy}(32.7370, 0.2115, 0.2517)$

Have a look what the booklet for
Yxy(32.7370, 0.2115, 0.2517)
contains.

Yxy(32.7089, 0.2114, 0.2516)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.7089, 0.2114, 0.2516)

Conversions

Conversions Part 1

Format	Color
Hex	38A5D8
RGB	56, 165, 216
RGB Percent	22%, 65%, 85%
CMY	0.7799, 0.3530, 0.1530
CMYK	0.74, 0.24, 0.00, 0.15
HSL	199°, 67%, 53%
HSV	199°, 74%, 85%
XYZ	27.4828, 32.7089, 69.8119
YIQ	138.2230, -81.3350, -7.2470

Conversions

Conversions Part 2

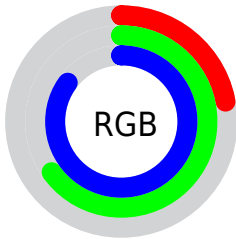
Format	Color
R _{YB}	56, 121, 216
Decimal	3712472
CIE Lab	63.92, -13.87, -34.66
CIE LCh	64, 37.331, 248.188
Yxy	32.7089, 0.2114, 0.2516
Android (android.graphics.Color)	4281902552 (0xFF38A5D8)
YUV	138.2230, 38.3441, -72.1096
Hunter-Lab	57.1917, -14.3095, -32.3391

Details

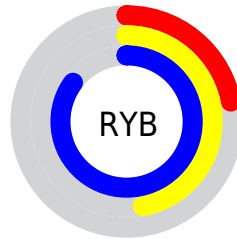
The Yxy color **32.7089, 0.2114, 0.2516** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **25.4193, 0.5152, 0.3818**, and the grayscale version is **25.3928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6915, 0.2377, 0.2868**, and **14.3835, 0.1972, 0.2299** is the 20% darker color. If you saturate the color by 10%, you get **29.7966, 0.2034, 0.2394**, and if you desaturate by 10%, it is **36.0257, 0.2214, 0.2638**.

Distribution



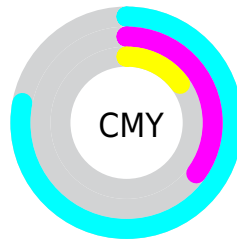
- Red (22%)
- Green (65%)
- Blue (85%)



- Red (22%)
- Yellow (47%)
- Blue (85%)



- Cyan (74%)
- Magenta (24%)
- Yellow (0%)
- Black (15%)



- Cyan (78%)
- Magenta (35%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7089, 0.2114, 0.2516 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 32.7089, 0.2114, 0.2516 by changing the saturation by 10% instead.

■ 32.7089, 0.2114,
0.2516

■ 32.7089, 0.2114,
0.2516

■ 314.3360, 0.2624,
0.2924

■ 21.9035, 0.1989,
0.2410

■ 63.9208, 0.2298,
0.2668

■ 13.7860, 0.1831,
0.2273

■ 85.0961, 0.2368,
0.2724

■ 7.9720, 0.1627,
0.2091

■ 110.4968, 0.2427,
0.2771

■ 4.0770, 0.1358,
0.1838

■ 140.5074, 0.2478,
0.2811

■ 1.7168, 0.0999,
0.1479

■ 175.5122, 0.2522,
0.2845

■ 0.4345, 0.0149,
0.0872

215.8957, 0.2560,

■ 0.0000, 0.0000,

0.2875

0.0000

262.0421, 0.2594,
0.2901

■ 32.7089, 0.2114,
0.2516

■ 32.7089, 0.2114,
0.2516

■ 29.7966, 0.2034,
0.2394

■ 36.0257, 0.2214,
0.2638

■ 27.2460, 0.1974,
0.2273

■ 39.7764, 0.2332,
0.2757

■ 25.8537, 0.1945,
0.2202

■ 43.9905, 0.2464,
0.2872

■ 48.6935, 0.2607,
0.2980

■ 53.9089, 0.2758,
0.3081

■ 59.6581, 0.2911,
0.3174

■ 65.9614, 0.3066,
0.3259

■ 72.8376, 0.3218,
0.3335

■ 80.3048, 0.3367,
0.3402

Harmonies

Analogous

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



32.7089, 0.2103, 0.2890



32.7089, 0.2114, 0.2516



32.7089, 0.2361, 0.2372

Triad

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



32.7089, 0.2114, 0.2516



32.7089, 0.3960, 0.3069



32.7089, 0.3352, 0.4342

Complementary

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



32.7089, 0.2114, 0.2516



25.4193, 0.5152, 0.3818

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.



32.7089, 0.3887, 0.4285



32.7089, 0.2114, 0.2516



32.7089, 0.4272, 0.3518

Square

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



32.7089, 0.2114, 0.2516



32.7089, 0.3407, 0.2689



32.7089, 0.4235, 0.3958



32.7089, 0.2784, 0.4027

Rectangle

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



32.7089, 0.2114, 0.2516



32.7089, 0.2645, 0.2396



32.7089, 0.4235, 0.3958



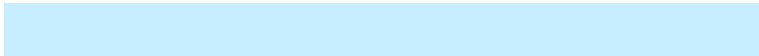
32.7089, 0.3542, 0.4363

Sweetspot

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



32.7100, 0.2114, 0.2516



79.9798, 0.2785, 0.3098



50.9988, 0.2826, 0.5000



16.6494, 0.2743, 0.3072



0.0000, 0.0000, 0.0000



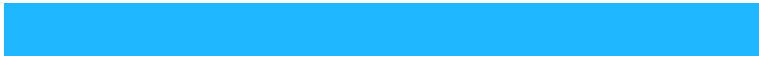
21.4041, 0.3127, 0.3290

Same Dimension

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



32.7100, 0.2114, 0.2516



41.1788, 0.1996, 0.2323



12.3666, 0.1801, 0.1287



13.4089, 0.2982, 0.3214



15.5092, 0.1950, 0.2220



1.0817, 0.2008, 0.2427

Inverse Universe

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



20.1523, 0.3876, 0.2139



25.4961, 0.4094, 0.2081



50.2819, 0.4326, 0.4655



12.5622, 0.3186, 0.3132



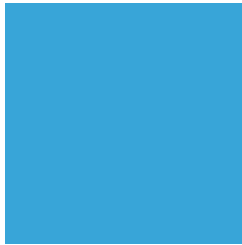
9.9105, 0.4211, 0.2093



0.6125, 0.3996, 0.1975

Previews

White Background



This preview shows how the Yxy color 32.7089, 0.2114, 0.2516 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 32.7089, 0.2114, 0.2516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

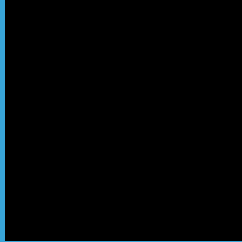
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

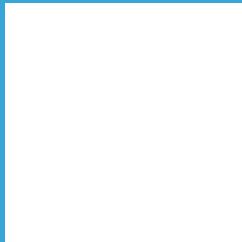
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.7089, 0.2114, 0.2516

Background



This preview shows how black text looks on a background with the Yxy color 32.7089, 0.2114, 0.2516.

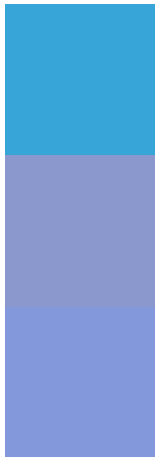


This preview shows how white text looks on a background with the Yxy color 32.7089, 0.2114, 0.2516.

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

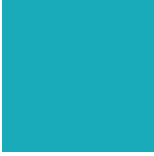
32.7089, 0.2114, 0.2516

Protanopia

32.4017, 0.2573, 0.2525

Deuteranopia

32.3168, 0.2424, 0.2358



Tritanopia

32.8353, 0.2206, 0.3053

Trichromacy



Original Color

32.7089, 0.2114, 0.2516

Protanomaly

32.0183, 0.2351, 0.2510

Deuteranomaly

32.0595, 0.2274, 0.2405

Tritanomaly

32.7365, 0.2166, 0.2850

Monochromacy



Original Color

32.7089, 0.2114, 0.2516

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

27.1211, 0.2604, 0.2986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7089, 0.2114, 0.2516 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(56, 165, 216)` looks like.

```
.text, #text, p{  
    color:rgb(56, 165, 216)  
}
```

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(56, 165, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 165, 216) }
```

Border

The CSS property to change the border of an element to Yxy 32.7089, 0.2114, 0.2516 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(56, 165, 216) }
```

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

```
.border{ border-color:rgb(56, 165, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 165, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 165, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 165, 216);  
box-shadow:4px 4px 4px 4px rgb(56, 165,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7089, 0.2114, 0.2516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 165, 216) }
```

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

```
.background{ background-color: rgb(56, 165,  
216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor