

Converting Colors

$Yxy(32.7624, 0.2157, 0.2513)$

Have a look what the booklet for
Yxy(32.7624, 0.2157, 0.2513)
contains.

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Color

Yxy(32.8109, 0.2155, 0.2508)

Conversions

Conversions Part 1

Format	Color
Hex	46A4D8
RGB	70, 164, 216
RGB Percent	27%, 64%, 85%
CMY	0.7258, 0.3568, 0.1529
CMYK	0.68, 0.24, 0.00, 0.15
HSL	201°, 65%, 56%
HSV	201°, 68%, 85%
XYZ	28.1928, 32.8109, 69.8213
YIQ	141.8220, -72.7160, -3.7560

Conversions

Conversions Part 2

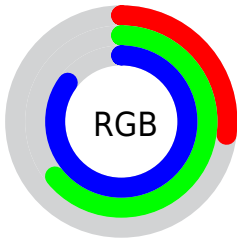
Format	Color
R _{YB}	70, 127, 216
Decimal	4629720
CIE _{Lab}	64.01, -11.41, -34.52
CIE _{LCh}	64, 36.358, 251.718
Yxy	32.8109, 0.2155, 0.2508
Android (android.graphics.Color)	4282819800 (0xFF46A4D8)
YUV	141.8220, 36.5698, -62.9879
Hunter-Lab	57.2808, -12.3863, -32.1738

Details

The Yxy color **32.8109, 0.2155, 0.2508** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **28.9442, 0.4865, 0.3871**, and the grayscale version is **26.8441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8696, 0.2413, 0.2859**, and **14.1615, 0.1966, 0.2277** is the 20% darker color. If you saturate the color by 10%, you get **29.4791, 0.2056, 0.2370**, and if you desaturate by 10%, it is **36.6001, 0.2272, 0.2644**.

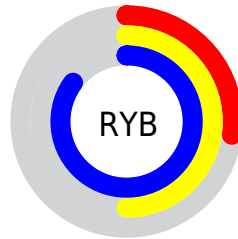
Distribution



Red (27%)

Green (64%)

Blue (85%)



Red (27%)

Yellow (50%)

Blue (85%)

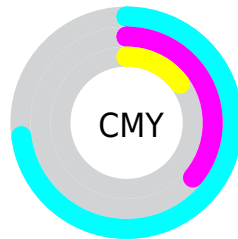


Cyan (68%)

Magenta (24%)

Yellow (0%)

Black (15%)



Cyan (73%)

Magenta (36%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8109, 0.2155, 0.2508 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 32.8109, 0.2155, 0.2508 by changing the saturation by 10% instead.

■ 32.8109, 0.2155,
0.2508

■ 32.8109, 0.2155,
0.2508

■ 314.7968, 0.2646,
0.2918

■ 21.9816, 0.2034,
0.2402

■ 64.0802, 0.2333,
0.2660

■ 13.8434, 0.1881,
0.2266

■ 85.2890, 0.2400,
0.2716

■ 8.0118, 0.1683,
0.2084

■ 110.7264, 0.2457,
0.2763

■ 4.1025, 0.1420,
0.1834

■ 140.7769, 0.2505,
0.2803

■ 1.7311, 0.1065,
0.1478

■ 175.8247, 0.2547,
0.2838

■ 0.4437, 0.0283,
0.0876

■ 216.2544, 0.2584,

■ 0.0000, 0.0000,

0.2868

0.0000

262.4503, 0.2617,
0.2894

■ 32.8109, 0.2155,
0.2508

■ 32.8109, 0.2155,
0.2508

■ 29.4791, 0.2056,
0.2370

■ 36.6001, 0.2272,
0.2644

■ 26.5657, 0.1978,
0.2233

■ 40.8739, 0.2405,
0.2775

■ 24.0237, 0.1920,
0.2099

■ 45.6609, 0.2549,
0.2900

■ 23.4576, 0.1908,
0.2067

■ 50.9858, 0.2700,
0.3016

■ 56.8716, 0.2855,
0.3124

■ 63.3397, 0.3010,
0.3222

■ 70.4101, 0.3163,
0.3310

■ 78.1019, 0.3312,
0.3389

■ 84.6187, 0.3389,
0.3462

Harmonies

Analogous

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



32.8109, 0.2117, 0.2848



32.8109, 0.2155, 0.2508



32.8109, 0.2423, 0.2392

Triad

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



32.8109, 0.2155, 0.2508



32.8109, 0.3989, 0.3126



32.8109, 0.3282, 0.4295

Complementary

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



32.8109, 0.2155, 0.2508



28.9442, 0.4865, 0.3871

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.



32.8109, 0.3814, 0.4282



32.8109, 0.2155, 0.2508



32.8109, 0.4255, 0.3567

Square

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



32.8109, 0.2155, 0.2508



32.8109, 0.3470, 0.2742



32.8109, 0.4180, 0.3989



32.8109, 0.2734, 0.3948

Rectangle

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



32.8109, 0.2155, 0.2508



32.8109, 0.2715, 0.2430



32.8109, 0.4180, 0.3989



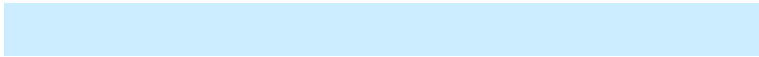
32.8109, 0.3469, 0.4330

Sweetspot

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



32.8121, 0.2155, 0.2508



80.5360, 0.2815, 0.3097



51.7997, 0.2806, 0.4760



16.7125, 0.2771, 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.



32.8121, 0.2155, 0.2508



41.0994, 0.2021, 0.2313



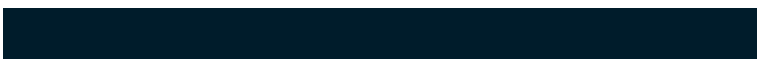
13.8844, 0.1887, 0.1398



13.3294, 0.2982, 0.3205



14.0930, 0.1913, 0.2088



1.0036, 0.1978, 0.2319

Inverse Universe

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



21.6527, 0.3868, 0.2251



26.7665, 0.4091, 0.2160



53.6704, 0.4202, 0.4627



12.5541, 0.3192, 0.3141



9.7675, 0.4355, 0.2173



0.6046, 0.4106, 0.2036

Previews

White Background



This preview shows how the Yxy color 32.8109, 0.2155, 0.2508 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 32.8109, 0.2155, 0.2508 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

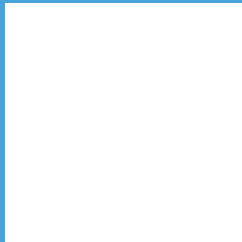
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.8109, 0.2155, 0.2508

Background



This preview shows how black text looks on a background with the Yxy color 32.8109, 0.2155, 0.2508.



This preview shows how white text looks on a background with the Yxy color 32.8109, 0.2155, 0.2508.

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

32.8109, 0.2155, 0.2508

Protanopia

32.4504, 0.2566, 0.2513

Deuteranopia

32.6428, 0.2426, 0.2373



Tritanopia

32.8883, 0.2261, 0.3055

Trichromacy



Original Color

32.8109, 0.2155, 0.2508

Protanomaly

32.0075, 0.2379, 0.2500

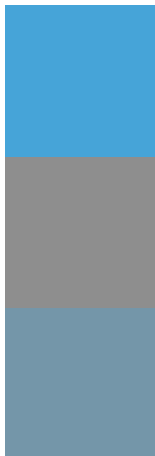
Deuteranomaly

32.3640, 0.2302, 0.2411

Tritanomaly

32.8606, 0.2217, 0.2839

Monochromacy



Original Color

32.8109, 0.2155, 0.2508

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.3903, 0.2650, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8109, 0.2155, 0.2508 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(70, 164, 216)` looks like.

```
.text, #text, p{  
    color:rgb(70, 164, 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(70, 164, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 164, 216) }
```

Border

The CSS property to change the border of an element to Yxy 32.8109, 0.2155, 0.2508 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(70, 164, 216) }
```

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

```
.border{ border-color:rgb(70, 164, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 164, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 164, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 164, 216);  
box-shadow:4px 4px 4px 4px rgb(70, 164,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8109, 0.2155, 0.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 164, 216) }
```

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

```
.background{ background-color: rgb(70, 164,  
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](#).

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