

Converting Colors

$Y_{xy}(32.1257, 0.2007, 0.2424)$

Have a look what the booklet for
Yxy(32.1257, 0.2007, 0.2424)
contains.

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Color

Yxy(32.1842, 0.2007, 0.2425)

Conversions

Conversions Part 1

Format	Color
Hex	00A5DE
RGB	0, 165, 222
RGB Percent	0%, 65%, 87%
CMY	1.0000, 0.3529, 0.1295
CMYK	1.00, 0.26, 0.00, 0.13
HSL	195°, 100%, 44%
HSV	195°, 100%, 87%
XYZ	26.6366, 32.1842, 73.8976
YIQ	122.1630, -116.6370, -17.2530

Conversions

Conversions Part 2

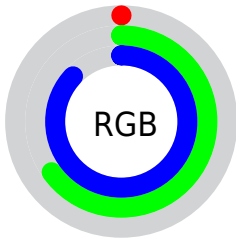
Format	Color
R _{YB}	0, 95, 222
Decimal	42462
CIE _{Lab}	63.49, -15.45, -38.70
CIE _{LCh}	63, 41.669, 248.240
Yxy	32.1842, 0.2007, 0.2425
Android (android.graphics.Color)	4278232542 (0xFF00A5DE)
YUV	122.1630, 49.2196, -107.1370
Hunter-Lab	56.7311, -15.4696, -37.5190

Details

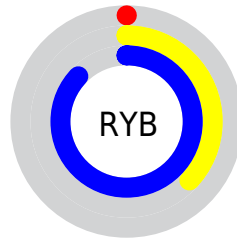
The Yxy color **32.1842, 0.2007, 0.2425** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **18.4489, 0.6082, 0.3553**, and the grayscale version is **19.3834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4097, 0.2304, 0.2860**, and **14.6003, 0.1946, 0.2206** is the 20% darker color. If you saturate the color by 10%, you get **32.1854, 0.2007, 0.2425**, and if you desaturate by 10%, it is **34.4595, 0.2049, 0.2520**.

Distribution



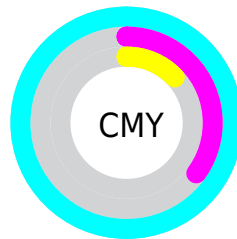
- Red (0%)
- Green (65%)
- Blue (87%)



- Red (0%)
- Yellow (37%)
- Blue (87%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (35%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.1842, 0.2007, 0.2425 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 32.1842, 0.2007, 0.2425 by changing the saturation by 10% instead.

■ 32.1842, 0.2007,
0.2425

■ 32.1842, 0.2007,
0.2425

■ 311.9575, 0.2567,
0.2880

■ 21.5022, 0.1872,
0.2308

■ 63.0997, 0.2208,
0.2593

■ 13.4916, 0.1702,
0.2158

■ 84.1021, 0.2284,
0.2656

■ 7.7679, 0.1487,
0.1960

■ 109.3134, 0.2349,
0.2708

■ 3.9468, 0.1208,
0.1691

■ 139.1180, 0.2405,
0.2753

■ 1.6439, 0.0849,
0.1317

■ 173.9003, 0.2454,
0.2791

■ 0.3869, 0.0000,
0.0699

214.0447, 0.2496,

■ 0.0000, 0.0000,

0.2825

0.0000

259.9357, 0.2534,
0.2854

■ 32.1842, 0.2007,
0.2425

■ 32.1842, 0.2007,
0.2425

■ 32.1854, 0.2007,
0.2425

■ 34.4595, 0.2049,
0.2520

■ 37.0249, 0.2108,
0.2616

■ 39.9474, 0.2188,
0.2713

■ 43.2647, 0.2286,
0.2808

■ 47.0088, 0.2402,
0.2901

■ 51.2077, 0.2531,
0.2990

■ 55.8867, 0.2672,
0.3074

■ 61.0690, 0.2821,
0.3153

■ 66.7760, 0.2973,
0.3225

Harmonies

Analogous

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



32.1842, 0.1993, 0.2833



32.1842, 0.2007, 0.2425



32.1842, 0.2276, 0.2274

Triad

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



32.1842, 0.2007, 0.2425



32.1842, 0.4064, 0.3040



32.1842, 0.3368, 0.4481

Complementary

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



32.1842, 0.2007, 0.2425



18.4489, 0.6082, 0.3553

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.



32.1842, 0.3966, 0.4398



32.1842, 0.2007, 0.2425



32.1842, 0.4412, 0.3531

Square

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



32.1842, 0.2007, 0.2425



32.1842, 0.3439, 0.2624



32.1842, 0.4362, 0.4020



32.1842, 0.2737, 0.4125

Rectangle

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



32.1842, 0.2007, 0.2425



32.1842, 0.2588, 0.2302



32.1842, 0.4362, 0.4020



32.1842, 0.3579, 0.4498

Sweetspot

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



32.1854, 0.2007, 0.2425



76.3711, 0.2669, 0.3073



52.5101, 0.2924, 0.5725



15.7477, 0.2608, 0.3037



0.0000, 0.0000, 0.0000



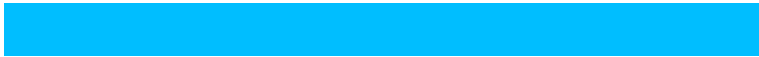
21.4041, 0.3127, 0.3290

Same Dimension

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



32.1854, 0.2007, 0.2425



43.8548, 0.2005, 0.2418



8.0521, 0.1575, 0.0871



14.9456, 0.2982, 0.3228



19.3098, 0.2011, 0.2439



1.4798, 0.2052, 0.2586

Inverse Universe

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



18.2426, 0.3998, 0.1976



24.9583, 0.4005, 0.1980



42.9736, 0.4724, 0.4631



13.8724, 0.3177, 0.3117



10.8574, 0.3983, 0.1968



0.7668, 0.3838, 0.1888

Previews

White Background



This preview shows how the Yxy color 32.1842, 0.2007, 0.2425 looks on a white background.

Color Contrast Check

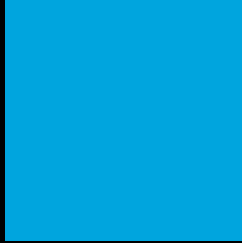
Large Text (above 18pt) WCAG AA × Fail

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 32.1842, 0.2007, 0.2425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

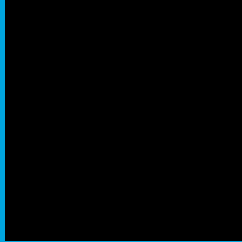
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1842, 0.2007, 0.2425

Background



This preview shows how black text looks on a background with the Yxy color 32.1842, 0.2007, 0.2425.



This preview shows how white text looks on a background with the Yxy color 32.1842, 0.2007, 0.2425.

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

32.1842, 0.2007, 0.2425

Protanopia

31.9873, 0.2507, 0.2444

Deuteranopia

32.0303, 0.2337, 0.2279



Tritanopia

32.1683, 0.2185, 0.3067

Trichromacy



Original Color

32.1842, 0.2007, 0.2425

Protanomaly

30.6617, 0.2197, 0.2407

Deuteranomaly

31.1155, 0.2126, 0.2309

Tritanomaly

32.0365, 0.2115, 0.2814

Monochromacy



Original Color

32.1842, 0.2007, 0.2425

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

22.2653, 0.2410, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1842, 0.2007, 0.2425 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(0, 165, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 222)  
}
```

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(0, 165, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 222) }
```

Border

The CSS property to change the border of an element to Yxy 32.1842, 0.2007, 0.2425 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(0, 165, 222) }
```

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

```
.border{ border-color:rgb(0, 165, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1842, 0.2007, 0.2425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 222) }
```

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

```
.background{ background-color: rgb(0, 165,  
222) }
```

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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