

Converting Colors

$Yxy(32.6487, 0.2024, 0.2485)$

Have a look what the booklet for
Yxy(32.6487, 0.2024, 0.2485)
contains.

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Color

Yxy(32.7584, 0.2027, 0.2495)

Conversions

Conversions Part 1

Format	Color
Hex	01A7DB
RGB	1, 167, 219
RGB Percent	0%, 65%, 86%
CMY	0.9965, 0.3451, 0.1413
CMYK	1.00, 0.24, 0.00, 0.14
HSL	194°, 99%, 43%
HSV	194°, 100%, 86%
XYZ	26.6137, 32.7584, 71.9241
YIQ	123.2940, -115.6280, -19.0200

Conversions

Conversions Part 2

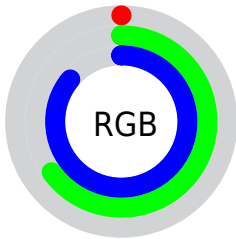
Format	Color
R _{YB}	1, 95, 219
Decimal	108507
CIE Lab	63.96, -17.57, -36.31
CIE LCh	64, 40.337, 244.183
Yxy	32.7584, 0.2027, 0.2495
Android (android.graphics.Color)	4278298587 (0xFF01A7DB)
YUV	123.2940, 47.1831, -107.2518
Hunter-Lab	57.2350, -17.1603, -34.4421

Details

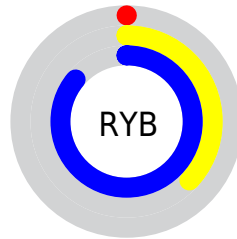
The Yxy color **32.7584, 0.2027, 0.2495** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **17.5925, 0.6110, 0.3527**, and the grayscale version is **19.7684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4056, 0.2306, 0.2885**, and **14.9418, 0.1971, 0.2295** is the 20% darker color. If you saturate the color by 10%, you get **32.6764, 0.2026, 0.2491**, and if you desaturate by 10%, it is **34.8844, 0.2068, 0.2583**.

Distribution



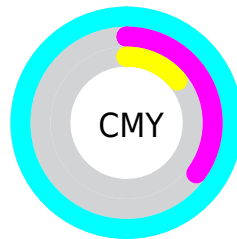
- Red (0%)
- Green (65%)
- Blue (86%)



- Red (0%)
- Yellow (37%)
- Blue (86%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (14%)




- Cyan (100%)
- Magenta (35%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7584, 0.2027, 0.2495 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 32.7584, 0.2027, 0.2495 by changing the saturation by 10% instead.


 32.7584, 0.2027,
0.2495


 32.7584, 0.2027,
0.2495


314.5597, 0.2577,
0.2916


 21.9414, 0.1894,
0.2386


 63.9981, 0.2225,
0.2652

 13.8139, 0.1727,
0.2244


 85.1897, 0.2300,
0.2710


 7.9913, 0.1514,
0.2056


 110.6083, 0.2363,
0.2758

 4.0894, 0.1237,
0.1797

 140.6382, 0.2418,
0.2799

 1.7237, 0.0877,
0.1431

 175.6639, 0.2466,
0.2835

 0.4389, 0.0000,
0.0835

216.0698, 0.2507,

 0.0000, 0.0000,

0.2865

0.0000

262.2403, 0.2544,
0.2892

■ 32.7584, 0.2027,
0.2495

■ 32.7584, 0.2027,
0.2495

■ 32.6764, 0.2026,
0.2491

■ 34.8844, 0.2068,
0.2583

■ 37.2845, 0.2125,
0.2671

■ 40.0202, 0.2202,
0.2760

■ 43.1275, 0.2299,
0.2848

■ 46.6369, 0.2413,
0.2934

■ 50.5751, 0.2541,
0.3016

■ 54.9664, 0.2680,
0.3093

■ 59.8328, 0.2828,
0.3166

■ 65.1949, 0.2980,
0.3232

Harmonies

Analogous

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



32.7584, 0.2048, 0.2925



32.7584, 0.2027, 0.2495



32.7584, 0.2256, 0.2314

Triad

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



32.7584, 0.2027, 0.2495



32.7584, 0.3958, 0.2990



32.7584, 0.3446, 0.4446

Complementary

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



32.7584, 0.2027, 0.2495



17.5925, 0.6110, 0.3527

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.



32.7584, 0.4005, 0.4323



32.7584, 0.2027, 0.2495



32.7584, 0.4340, 0.3461

Square

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



32.7584, 0.2027, 0.2495



32.7584, 0.3339, 0.2602



32.7584, 0.4346, 0.3939



32.7584, 0.2831, 0.4160

Rectangle

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



32.7584, 0.2027, 0.2495



32.7584, 0.2539, 0.2321



32.7584, 0.4346, 0.3939



32.7584, 0.3647, 0.4446

Sweetspot

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



32.7595, 0.2027, 0.2495



77.1793, 0.2671, 0.3088



50.9045, 0.2931, 0.5750



15.9420, 0.2610, 0.3056



0.0000, 0.0000, 0.0000



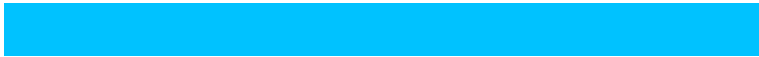
21.4041, 0.3127, 0.3290

Same Dimension

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



32.7595, 0.2027, 0.2495



45.9071, 0.2023, 0.2484



8.2518, 0.1588, 0.0912



14.2762, 0.2982, 0.3233



19.5563, 0.2029, 0.2505



1.3963, 0.2069, 0.2648

Inverse Universe

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



17.8666, 0.3927, 0.1939



25.1655, 0.3938, 0.1943



40.4867, 0.4762, 0.4598



13.2190, 0.3174, 0.3114



10.5980, 0.3918, 0.1932



0.6996, 0.3778, 0.1855

Previews

White Background



This preview shows how the Yxy color 32.7584, 0.2027, 0.2495 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 32.7584, 0.2027, 0.2495 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 32.7584, 0.2027, 0.2495

Background



This preview shows how black text looks on a background with the Yxy color 32.7584, 0.2027, 0.2495.

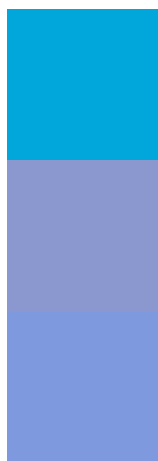


This preview shows how white text looks on a background with the Yxy color 32.7584, 0.2027, 0.2495.

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

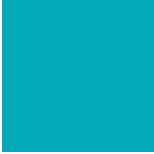
32.7584, 0.2027, 0.2495

Protanopia

32.3647, 0.2558, 0.2511

Deuteranopia

32.5684, 0.2389, 0.2334



Tritanopia

32.5865, 0.2186, 0.3068

Trichromacy



Original Color

32.7584, 0.2027, 0.2495



Protanomaly

30.8918, 0.2230, 0.2474



Deuteranomaly

31.4235, 0.2155, 0.2362



Tritanomaly

32.7807, 0.2125, 0.2848

Monochromacy



Original Color

32.7584, 0.2027, 0.2495



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.5961, 0.2421, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7584, 0.2027, 0.2495 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(1, 167, 219)` looks like.

```
.text, #text, p{  
    color:rgb(1, 167, 219)  
}
```

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(1, 167, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 167, 219) }
```

Border

The CSS property to change the border of an element to Yxy 32.7584, 0.2027, 0.2495 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(1, 167, 219) }
```

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

```
.border{ border-color:rgb(1, 167, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 167, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 167, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 167, 219);  
box-shadow:4px 4px 4px 4px rgb(1, 167,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7584, 0.2027, 0.2495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 167, 219) }
```

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

```
.background{ background-color: rgb(1, 167,  
219) }
```

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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