

Converting Colors

$Yxy(23.9722, 0.1914, 0.2052)$

Have a look what the booklet for
Yxy(23.9722, 0.1914, 0.2052)
contains.

Yxy(23.9722, 0.1914, 0.2052)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9722, 0.1914, 0.2052)

Conversions

Conversions Part 1

Format	Color
Hex	0F8CDB
RGB	15, 140, 219
RGB Percent	6%, 55%, 86%
CMY	0.9427, 0.4510, 0.1410
CMYK	0.93, 0.36, 0.00, 0.14
HSL	203°, 87%, 46%
HSV	203°, 93%, 86%
XYZ	22.3600, 23.9722, 70.4914
YIQ	111.6310, -99.8590, -1.9310

Conversions

Conversions Part 2

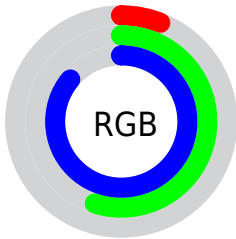
Format	Color
R_{YB}	15, 93, 219
Decimal	1019099
CIE _{Lab}	56.06, -1.94, -48.78
CIE _{LCh}	56, 48.814, 267.719
Yxy	23.9722, 0.1914, 0.2052
Android (android.graphics.Color)	4279209179 (0xFF0F8CDB)
YUV	111.6310, 52.9329, -84.7454
Hunter-Lab	48.9614, -4.1639, -51.0888

Details

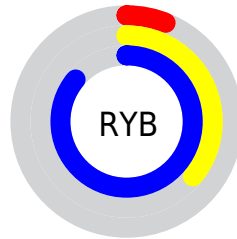
The Yxy color **23.9722, 0.1914, 0.2052** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **23.0428, 0.5598, 0.3876**, and the grayscale version is **15.9219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3632, 0.2225, 0.2506**, and **10.1265, 0.1831, 0.1791** is the 20% darker color. If you saturate the color by 10%, you get **22.2646, 0.1877, 0.1956**, and if you desaturate by 10%, it is **26.8301, 0.1984, 0.2200**.

Distribution



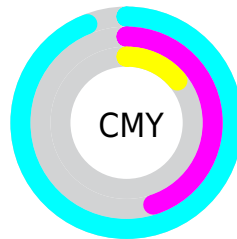
- Red (6%)
- Green (55%)
- Blue (86%)



- Red (6%)
- Yellow (36%)
- Blue (86%)



- Cyan (93%)
- Magenta (36%)
- Yellow (0%)
- Black (14%)



- Cyan (94%)
- Magenta (45%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.9722, 0.1914, 0.2052 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 23.9722, 0.1914, 0.2052 by changing the saturation by 10% instead.

■ 23.9722, 0.1914,
0.2052

■ 23.9722, 0.1914,
0.2052

272.6799, 0.2543,
0.2698

■ 15.3130, 0.1758,
0.1890

■ 49.9848, 0.2144,
0.2289

■ 9.0394, 0.1562,
0.1687

■ 68.1071, 0.2230,
0.2377

■ 4.7669, 0.1312,
0.1425

■ 90.1524, 0.2303,
0.2452

■ 2.1111, 0.0993,
0.1090

■ 116.5053, 0.2365,
0.2516

■ 0.6709, 0.0581,
0.0660

■ 147.5501, 0.2418,
0.2571

■ 0.0000, 0.0000,
0.0000

183.6712, 0.2465,

0.2619

225.2530, 0.2506,
0.2661

■ 23.9722, 0.1914,
0.2052

■ 23.9722, 0.1914,
0.2052

■ 22.2646, 0.1877,
0.1956

■ 26.8301, 0.1984,
0.2200

■ 30.1236, 0.2076,
0.2350

■ 33.8954, 0.2187,
0.2500

■ 38.1807, 0.2316,
0.2647

■ 43.0106, 0.2458,
0.2788

■ 48.4130, 0.2609,
0.2921

■ 54.4135, 0.2764,
0.3044

■ 61.0358, 0.2921,
0.3156

■ 68.3023, 0.3076,
0.3258

Harmonies

Analogous

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



23.9722, 0.1697, 0.2323



23.9722, 0.1914, 0.2052



23.9722, 0.2426, 0.2066

Triad

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



23.9722, 0.1914, 0.2052



23.9722, 0.4684, 0.3334



23.9722, 0.2873, 0.4636

Complementary

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



23.9722, 0.1914, 0.2052



23.0428, 0.5598, 0.3876

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.



23.9722, 0.3676, 0.4857



23.9722, 0.1914, 0.2052



23.9722, 0.4775, 0.3945

Square

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



23.9722, 0.1914, 0.2052



23.9722, 0.4075, 0.2768



23.9722, 0.4377, 0.4520



23.9722, 0.2183, 0.3835

Rectangle

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



23.9722, 0.1914, 0.2052



23.9722, 0.2923, 0.2211



23.9722, 0.4377, 0.4520



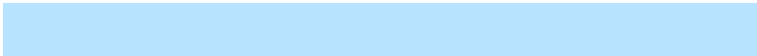
23.9722, 0.3139, 0.4786

Sweetspot

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



23.9729, 0.1914, 0.2052



72.5159, 0.2687, 0.2984



51.5707, 0.2809, 0.5266



14.7494, 0.2620, 0.2930



0.0000, 0.0000, 0.0000



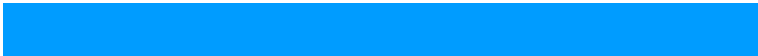
21.4041, 0.3127, 0.3290

Same Dimension

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



23.9729, 0.1914, 0.2052



31.1358, 0.1873, 0.1944



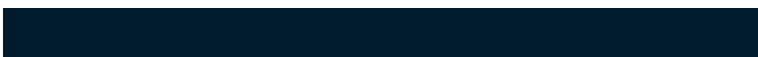
6.6313, 0.1557, 0.0754



13.9402, 0.2982, 0.3197



13.4153, 0.1883, 0.1977



1.0343, 0.1949, 0.2215

Inverse Universe

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



17.2905, 0.4388, 0.2223



23.6743, 0.4517, 0.2262



54.2139, 0.4386, 0.4866



13.1851, 0.3196, 0.3148



9.9780, 0.4478, 0.2241



0.6631, 0.4217, 0.2097

Previews

White Background



This preview shows how the Yxy color 23.9722, 0.1914, 0.2052 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9722, 0.1914, 0.2052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

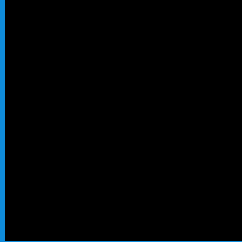
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

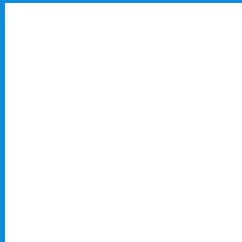
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.9722, 0.1914, 0.2052

Background



This preview shows how black text looks on a background with the Yxy color 23.9722, 0.1914, 0.2052.



This preview shows how white text looks on a background with the Yxy color 23.9722, 0.1914, 0.2052.

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

23.9722, 0.1914, 0.2052

Protanopia

23.8193, 0.2231, 0.2086

Deuteranopia

23.7953, 0.2054, 0.1994



Tritanopia

23.9981, 0.2193, 0.3095

Trichromacy



Original Color

23.9722, 0.1914, 0.2052

Protanomaly

23.2448, 0.2052, 0.2050

Deuteranomaly

23.5599, 0.1973, 0.1999

Tritanomaly

23.9262, 0.2077, 0.2660

Monochromacy



Original Color

23.9722, 0.1914, 0.2052

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.7312, 0.2393, 0.2719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9722, 0.1914, 0.2052 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(15, 140, 219)` looks like.

```
.text, #text, p{  
    color:rgb(15, 140, 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(15, 140, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 140, 219) }
```

Border

The CSS property to change the border of an element to Yxy 23.9722, 0.1914, 0.2052 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(15, 140, 219) }
```

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

```
.border{ border-color:rgb(15, 140, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 140, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 140, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 140, 219);  
box-shadow:4px 4px 4px 4px rgb(15, 140,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9722, 0.1914, 0.2052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 140, 219) }
```

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

```
.background{ background-color: rgb(15, 140,  
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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