

Converting Colors

$Y_{xy}(20.7900, 0.1006, 0.1952)$

Have a look what the booklet for
Yxy(20.7900, 0.1006, 0.1952)
contains.

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Color

Yxy(28.2187, 0.1943, 0.2195)

Conversions

Conversions Part 1

Format	Color
Hex	0099E1
RGB	0, 153, 225
RGB Percent	0%, 60%, 88%
CMY	1.0000, 0.4000, 0.1177
CMYK	1.00, 0.32, 0.00, 0.12
HSL	199°, 100%, 44%
HSV	199°, 100%, 88%
XYZ	24.9790, 28.2187, 75.3613
YIQ	115.4610, -114.3000, -10.0440

Conversions

Conversions Part 2

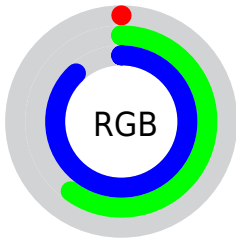
Format	Color
RYB	0, 91, 225
Decimal	39393
CIELab	60.09, -7.69, -45.73
CIELCh	60, 46.372, 260.459
Yxy	28.2187, 0.1943, 0.2195
Android (android.graphics.Color)	4278229473 (0xFF0099E1)
YUV	115.4610, 54.0027, -101.2593
Hunter-Lab	53.1213, -9.0269, -46.9277

Details

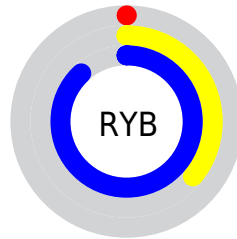
The Yxy color **28.2187, 0.1943, 0.2195** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **20.6403, 0.5934, 0.3671**, and the grayscale version is **17.1517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8489, 0.2266, 0.2691**, and **12.3673, 0.1874, 0.1945** is the 20% darker color. If you saturate the color by 10%, you get **28.2209, 0.1943, 0.2195**, and if you desaturate by 10%, it is **30.8255, 0.1993, 0.2315**.

Distribution



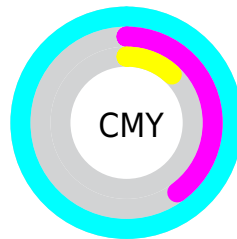
- Red (0%)
- Green (60%)
- Blue (88%)



- Red (0%)
- Yellow (36%)
- Blue (88%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (40%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2187, 0.1943, 0.2195 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 28.2187, 0.1943, 0.2195 by changing the saturation by 10% instead.


 28.2187, 0.1943,
0.2195


 28.2187, 0.1943,
0.2195


293.5105, 0.2543,
0.2764


 18.4906, 0.1797,
0.2053


 56.8334, 0.2159,
0.2403


 11.3028, 0.1615,
0.1872


 76.4888, 0.2242,
0.2481


 6.2709, 0.1384,
0.1639


 100.2221, 0.2311,
0.2547

 3.0105, 0.1088,
0.1333

 128.4176, 0.2371,
0.2603

 1.1372, 0.0718,
0.0935

 161.4598, 0.2423,
0.2652

 0.0095, 0.0000,
0.0018

199.7331, 0.2468,

 0.0000, 0.0000,

0.2694

0.0000

243.6219, 0.2508,
0.2731

■ 28.2187, 0.1943,
0.2195

■ 28.2187, 0.1943,
0.2195

■ 28.2209, 0.1943,
0.2195

■ 30.8255, 0.1993,
0.2315

■ 33.7800, 0.2061,
0.2437

■ 37.1531, 0.2150,
0.2560

■ 40.9849, 0.2257,
0.2682

■ 45.3096, 0.2382,
0.2801

■ 50.1573, 0.2519,
0.2914

■ 55.5552, 0.2666,
0.3020

■ 61.5284, 0.2818,
0.3118

■ 68.0999, 0.2973,
0.3208

Harmonies

Analogous

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



28.2187, 0.1808, 0.2525



28.2187, 0.1943, 0.2195



28.2187, 0.2354, 0.2143

Triad

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



28.2187, 0.1943, 0.2195



28.2187, 0.4434, 0.3212



28.2187, 0.3085, 0.4589

Complementary

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



28.2187, 0.1943, 0.2195



20.6403, 0.5934, 0.3671

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.



28.2187, 0.3811, 0.4668



28.2187, 0.1943, 0.2195



28.2187, 0.4645, 0.3774

Square

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



28.2187, 0.1943, 0.2195



28.2187, 0.3803, 0.2704



28.2187, 0.4392, 0.4311



28.2187, 0.2409, 0.3977

Rectangle

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



28.2187, 0.1943, 0.2195



28.2187, 0.2772, 0.2241



28.2187, 0.4392, 0.4311



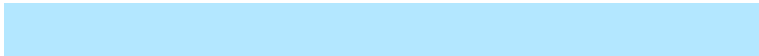
28.2187, 0.3332, 0.4678

Sweetspot

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



28.2209, 0.1943, 0.2195



73.6295, 0.2663, 0.3018



54.3067, 0.2882, 0.5577



15.0901, 0.2600, 0.2973



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.



28.2209, 0.1943, 0.2195



37.2649, 0.1941, 0.2187



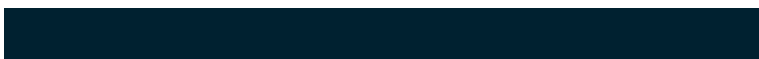
7.0392, 0.1543, 0.0755



14.7941, 0.2982, 0.3213



16.4823, 0.1948, 0.2214



1.3020, 0.2000, 0.2399

Inverse Universe

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



18.3071, 0.4238, 0.2108



24.2931, 0.4246, 0.2113



50.1830, 0.4564, 0.4758



13.8571, 0.3186, 0.3132



10.5719, 0.4218, 0.2097



0.7489, 0.4024, 0.1990

Previews

White Background



This preview shows how the Yxy color 28.2187, 0.1943, 0.2195 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 28.2187, 0.1943, 0.2195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

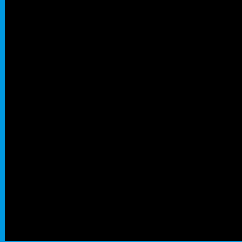
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2187, 0.1943, 0.2195

Background



This preview shows how black text looks on a background with the Yxy color 28.2187, 0.1943, 0.2195.

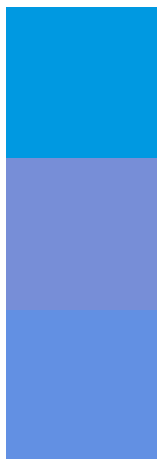


This preview shows how white text looks on a background with the Yxy color 28.2187, 0.1943, 0.2195.

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

28.2187, 0.1943, 0.2195

Protanopia

28.1742, 0.2347, 0.2238

Deuteranopia

28.0892, 0.2162, 0.2103

Trichromacy



Original Color

28.2187, 0.1943, 0.2195

Protanomaly

27.2087, 0.2098, 0.2192

Deuteranomaly

27.3826, 0.2021, 0.2116

Monochromacy



Original Color

28.2187, 0.1943, 0.2195

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

19.4835, 0.2363, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2187, 0.1943, 0.2195 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, 153, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 225)  
}
```

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, 153, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 225) }
```

Border

The CSS property to change the border of an element to Yxy 28.2187, 0.1943, 0.2195 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, 153, 225) }
```

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

```
.border{ border-color:rgb(0, 153, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 153, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 153, 225); box-shadow:4px 4px 4px 4px rgb(0, 153, 225) }
```

Background

The CSS property to change the background color of an element to Yxy 28.2187, 0.1943, 0.2195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 225) }
```

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

```
.background{ background-color: rgb(0, 153,  
225) }
```

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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