

Converting Colors

$Y_{xy}(22.2600, 0.1729, 0.1795)$

Have a look what the booklet for
Yxy(22.2600, 0.1729, 0.1795)
contains.

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Color

Yxy(23.2111, 0.1841, 0.1829)

Conversions

Conversions Part 1

Format	Color
Hex	0087E9
RGB	0, 135, 233
RGB Percent	0%, 53%, 91%
CMY	1.0000, 0.4705, 0.0863
CMYK	1.00, 0.42, 0.00, 0.09
HSL	205°, 100%, 46%
HSV	205°, 100%, 91%
XYZ	23.3634, 23.2111, 80.3315
YIQ	105.8070, -111.9180, 1.8580

Conversions

Conversions Part 2

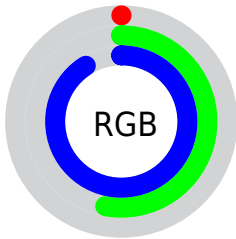
Format	Color
R _Y B	0, 85, 233
Decimal	34793
CIE Lab	55.29, 5.93, -57.81
CIE LCh	55, 58.111, 275.857
Yxy	23.2111, 0.1841, 0.1829
Android (android.graphics.Color)	4278224873 (0xFF0087E9)
YUV	105.8070, 62.7061, -92.7927
Hunter-Lab	48.1779, 2.2505, -65.1352

Details

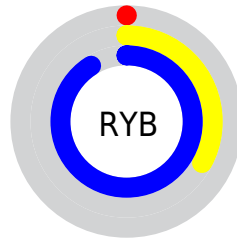
The Yxy color **23.2111, 0.1841, 0.1829** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **26.0515, 0.5663, 0.3886**, and the grayscale version is **14.2095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2506, 0.2215, 0.2440**, and **9.8299, 0.1760, 0.1536** is the 20% darker color. If you saturate the color by 10%, you get **23.2165, 0.1842, 0.1829**, and if you desaturate by 10%, it is **26.2635, 0.1903, 0.1986**.

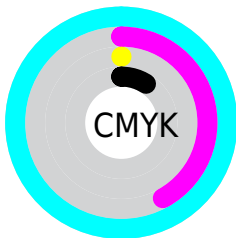
Distribution



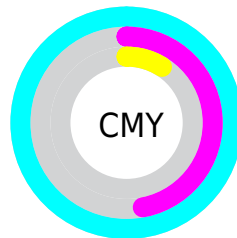
- Red (0%)
- Green (53%)
- Blue (91%)



- Red (0%)
- Yellow (33%)
- Blue (91%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (47%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2111, 0.1841, 0.1829 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 23.2111, 0.1841, 0.1829 by changing the saturation by 10% instead.


 23.2111, 0.1841,
0.1829


 23.2111, 0.1841,
0.1829


268.8074, 0.2504,
0.2568


 14.7495, 0.1680,
0.1654


 48.7397, 0.2081,
0.2093


 8.6437, 0.1480,
0.1438


 66.5755, 0.2172,
0.2194


 4.5095, 0.1230,
0.1173

 88.3048, 0.2249,
0.2280

 1.9625, 0.0920,
0.0850

 114.3119, 0.2315,
0.2354

 0.5855, 0.0549,
0.0458

 144.9814, 0.2372,
0.2418

 0.0000, 0.0000,
0.0000

180.6975, 0.2421,

0.2475

221.8447, 0.2465,
0.2524

■ 23.2111, 0.1841,
0.1829

■ 23.2111, 0.1841,
0.1829

■ 23.2165, 0.1842,
0.1829

■ 26.2635, 0.1903,
0.1986

■ 29.7921, 0.1984,
0.2148

■ 33.8794, 0.2087,
0.2313

■ 38.5728, 0.2210,
0.2477

■ 43.9129, 0.2349,
0.2637

■ 49.9358, 0.2499,
0.2789

■ 56.6744, 0.2655,
0.2932

■ 64.1589, 0.2814,
0.3063

■ 72.4175, 0.2972,
0.3182

Harmonies

Analogous

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



23.2111, 0.1511, 0.2024



23.2111, 0.1841, 0.1829



23.2111, 0.2513, 0.1929

Triad

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



23.2111, 0.1841, 0.1829



23.2111, 0.5081, 0.3485



23.2111, 0.2552, 0.4740

Complementary

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



23.2111, 0.1841, 0.1829



26.0515, 0.5663, 0.3886

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.



23.2111, 0.3474, 0.5198



23.2111, 0.1841, 0.1829



23.2111, 0.4976, 0.4186

Square

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



23.2111, 0.1841, 0.1829



23.2111, 0.4512, 0.2831



23.2111, 0.4356, 0.4858



23.2111, 0.1841, 0.3620

Rectangle

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



23.2111, 0.1841, 0.1829



23.2111, 0.3144, 0.2138



23.2111, 0.4356, 0.4858



23.2111, 0.2849, 0.4995

Sweetspot

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



23.2165, 0.1842, 0.1829



69.4303, 0.2653, 0.2930



59.1366, 0.2806, 0.5302



14.0886, 0.2586, 0.2870



0.0000, 0.0000, 0.0000



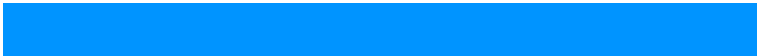
21.4041, 0.3127, 0.3290

Same Dimension

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



23.2165, 0.1842, 0.1829



28.3297, 0.1840, 0.1822



6.3626, 0.1512, 0.0644



15.9990, 0.2981, 0.3188



13.4254, 0.1848, 0.1853



1.2438, 0.1909, 0.2071

Inverse Universe

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



19.0718, 0.4651, 0.2336



23.3910, 0.4659, 0.2340



65.1997, 0.4349, 0.4928



15.2004, 0.3202, 0.3154



10.8481, 0.4622, 0.2320



0.8710, 0.4373, 0.2182

Previews

White Background



This preview shows how the Yxy color 23.2111, 0.1841, 0.1829 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 23.2111, 0.1841, 0.1829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

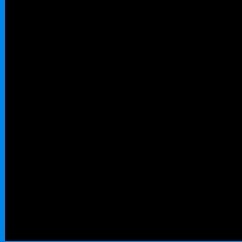
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

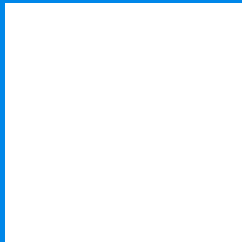
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.2111, 0.1841, 0.1829

Background



This preview shows how black text looks on a background with the Yxy color 23.2111, 0.1841, 0.1829.



This preview shows how white text looks on a background with the Yxy color 23.2111, 0.1841, 0.1829.

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

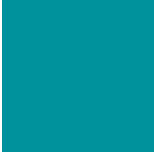
23.2111, 0.1841, 0.1829

Protanopia

23.1082, 0.2063, 0.1855

Deuteranopia

23.3647, 0.1884, 0.1829



Tritanopia

22.9581, 0.2192, 0.3091

Trichromacy



Original Color

23.2111, 0.1841, 0.1829

Protanomaly

22.7596, 0.1932, 0.1836

Deuteranomaly

23.1401, 0.1860, 0.1821

Tritanomaly

22.8067, 0.2038, 0.2536

Monochromacy



Original Color

23.2111, 0.1841, 0.1829

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

16.1829, 0.2291, 0.2585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2111, 0.1841, 0.1829 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, 135, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 233)  
}
```

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, 135, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 233) }
```

Border

The CSS property to change the border of an element to Yxy 23.2111, 0.1841, 0.1829 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, 135, 233) }
```

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

```
.border{ border-color:rgb(0, 135, 233) }
```

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

Here you see how a box with a 4 pixel rgb(0, 135, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2111, 0.1841, 0.1829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 233) }
```

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

```
.background{ background-color: rgb(0, 135,  
233) }
```

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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