

Converting Colors

$Y_{xy}(22.7825, 0.1014, 0.1979)$

Have a look what the booklet for
Yxy(22.7825, 0.1014, 0.1979)
contains.

Yxy(30.6795, 0.1945, 0.2201)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.6795, 0.1945, 0.2201)

Conversions

Conversions Part 1

Format	Color
Hex	009FE9
RGB	0, 159, 233
RGB Percent	0%, 62%, 91%
CMY	0.9986, 0.3765, 0.0862
CMYK	1.00, 0.32, 0.00, 0.09
HSL	199°, 100%, 46%
HSV	199°, 100%, 91%
XYZ	27.1111, 30.6795, 81.5983
YIQ	119.8950, -118.5180, -10.6940

Conversions

Conversions Part 2

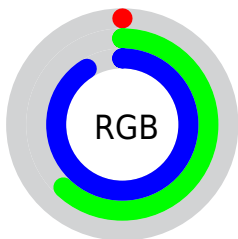
Format	Color
RYB	0, 95, 233
Decimal	40937
CIELab	62.24, -8.09, -46.77
CIELCh	62, 47.469, 260.187
Yxy	30.6795, 0.1945, 0.2201
Android (android.graphics.Color)	4278231017 (0xFF009FE9)
YUV	119.8950, 55.7608, -105.1479
Hunter-Lab	55.3891, -9.5610, -48.5727

Details

The Yxy color **30.6795, 0.1945, 0.2201** 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 **22.2774, 0.5938, 0.3666**, and the grayscale version is **18.6298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9343, 0.2291, 0.2771**, and **13.8994, 0.1879, 0.1964** is the 20% darker color. If you saturate the color by 10%, you get **30.6387, 0.1944, 0.2199**, and if you desaturate by 10%, it is **33.4951, 0.1995, 0.2321**.

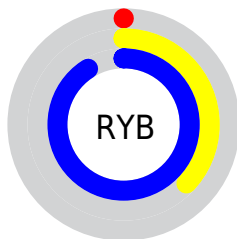
Distribution



Red (0%)

Green (62%)

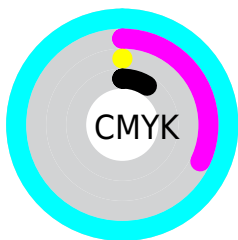
Blue (91%)



Red (0%)

Yellow (37%)

Blue (91%)

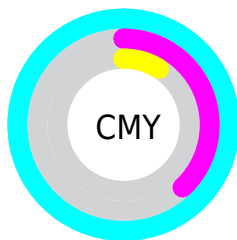


Cyan (100%)

Magenta (32%)

Yellow (0%)

Black (9%)



Cyan (100%)


Magenta (38%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.6795, 0.1945, 0.2201 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 30.6795, 0.1945, 0.2201 by changing the saturation by 10% instead.


 30.6795, 0.1945,
0.2201


 30.6795, 0.1945,
0.2201


305.0591, 0.2536,
0.2759


 20.3549, 0.1804,
0.2063


 60.7351, 0.2156,
0.2404


 12.6533, 0.1628,
0.1890


 81.2350, 0.2237,
0.2480

 7.1902, 0.1407,
0.1668


 105.8953, 0.2306,
0.2545

 3.5814, 0.1126,
0.1378

 135.1006, 0.2365,
0.2600

 1.4423, 0.0775,
0.1002

 169.2352, 0.2416,
0.2648

 0.2476, 0.0056,
0.0364

208.6836, 0.2461,

 0.0000, 0.0000,

0.2690

0.0000

253.8301, 0.2501,
0.2727

■ 30.6795, 0.1945,
0.2201

■ 30.6795, 0.1945,
0.2201

■ 30.6387, 0.1944,
0.2199

■ 33.4951, 0.1995,
0.2321

■ 36.6910, 0.2062,
0.2442

■ 40.3400, 0.2151,
0.2565

■ 44.4860, 0.2259,
0.2686

■ 49.1661, 0.2383,
0.2804

■ 54.4130, 0.2520,
0.2917

■ 60.2563, 0.2667,
0.3022

■ 66.7231, 0.2820,
0.3120

■ 73.8387, 0.2975,
0.3210

Harmonies

Analogous

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



30.6795, 0.1813, 0.2533



30.6795, 0.1945, 0.2201



30.6795, 0.2352, 0.2146

Triad

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



30.6795, 0.1945, 0.2201



30.6795, 0.4424, 0.3208



30.6795, 0.3092, 0.4586

Complementary

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



30.6795, 0.1945, 0.2201



22.2774, 0.5938, 0.3666

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.



30.6795, 0.3815, 0.4661



30.6795, 0.1945, 0.2201



30.6795, 0.4639, 0.3767

Square

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



30.6795, 0.1945, 0.2201



30.6795, 0.3793, 0.2703



30.6795, 0.4391, 0.4303



30.6795, 0.2418, 0.3981

Rectangle

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



30.6795, 0.1945, 0.2201



30.6795, 0.2767, 0.2243



30.6795, 0.4391, 0.4303



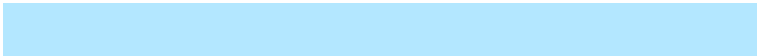
30.6795, 0.3338, 0.4673

Sweetspot

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



30.6805, 0.1945, 0.2201



73.7055, 0.2663, 0.3019



58.7866, 0.2883, 0.5577



15.1083, 0.2600, 0.2975



0.0000, 0.0000, 0.0000



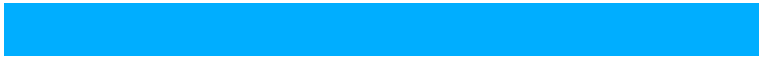
21.4041, 0.3127, 0.3290

Same Dimension

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



30.6805, 0.1945, 0.2201



37.4396, 0.1943, 0.2193



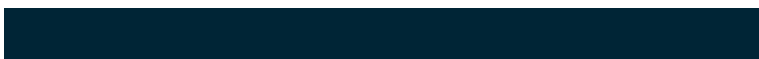
7.6155, 0.1543, 0.0754



16.2667, 0.2981, 0.3213



17.6145, 0.1949, 0.2218



1.5551, 0.1996, 0.2384

Inverse Universe

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



19.8379, 0.4231, 0.2105



24.3107, 0.4239, 0.2109



54.3136, 0.4564, 0.4757



15.2275, 0.3186, 0.3131



11.2710, 0.4213, 0.2095



0.9024, 0.4040, 0.1999

Previews

White Background



This preview shows how the Yxy color 30.6795, 0.1945, 0.2201 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 30.6795, 0.1945, 0.2201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

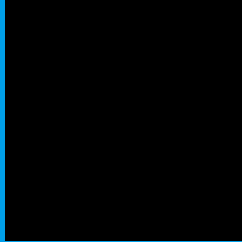
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

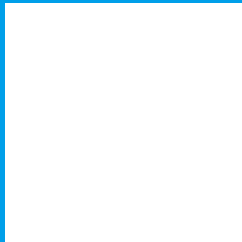
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.6795, 0.1945, 0.2201

Background



This preview shows how black text looks on a background with the Yxy color 30.6795, 0.1945, 0.2201.



This preview shows how white text looks on a background with the Yxy color 30.6795, 0.1945, 0.2201.

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

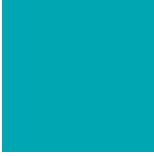
30.6795, 0.1945, 0.2201

Protanopia

30.4802, 0.2348, 0.2232

Deuteranopia

30.6944, 0.2171, 0.2116



Tritanopia

30.4868, 0.2189, 0.3079

Trichromacy



Original Color

30.6795, 0.1945, 0.2201



Protanomaly

29.3415, 0.2096, 0.2184



Deuteranomaly

29.8812, 0.2028, 0.2127



Tritanomaly

30.2716, 0.2087, 0.2712

Monochromacy



Original Color

30.6795, 0.1945, 0.2201



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.1599, 0.2362, 0.2786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6795, 0.1945, 0.2201 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, 159, 233)` looks like.

```
.text, #text, p{  
  color:rgb(0, 159, 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, 159, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 233) }
```

Border

The CSS property to change the border of an element to Yxy 30.6795, 0.1945, 0.2201 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, 159, 233) }
```

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

```
.border{ border-color:rgb(0, 159, 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, 159, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6795, 0.1945, 0.2201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 233) }
```

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

```
.background{ background-color: rgb(0, 159,  
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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