

Converting Colors

$Yxy(13.1326, 0.0668, 0.1297)$

Have a look what the booklet for
Yxy(13.1326, 0.0668, 0.1297)
contains.

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Color

Yxy(21.4945, 0.1805, 0.1697)

Conversions

Conversions Part 1

Format	Color
Hex	0080EC
RGB	0, 128, 236
RGB Percent	0%, 50%, 93%
CMY	0.9988, 0.4981, 0.0745
CMYK	1.00, 0.46, 0.00, 0.07
HSL	207°, 100%, 46%
HSV	207°, 100%, 93%
XYZ	22.8624, 21.4945, 82.3048
YIQ	102.0400, -110.9560, 6.4520

Conversions

Conversions Part 2

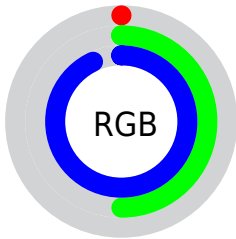
Format	Color
RYB	0, 83, 236
Decimal	33004
CIELab	53.49, 11.44, -62.38
CIELCh	53, 63.424, 280.396
Yxy	21.4945, 0.1805, 0.1697
Android (android.graphics.Color)	4278223084 (0xFF0080EC)
YUV	102.0400, 66.0423, -89.4891
Hunter-Lab	46.3622, 6.8894, -72.8015

Details

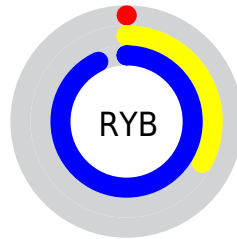
The Yxy color **21.4945, 0.1805, 0.1697** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **28.6287, 0.5551, 0.3974**, and the grayscale version is **13.1692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9883, 0.2195, 0.2334**, and **8.9920, 0.1725, 0.1409** is the 20% darker color. If you saturate the color by 10%, you get **21.4556, 0.1804, 0.1695**, and if you desaturate by 10%, it is **24.6596, 0.1870, 0.1865**.

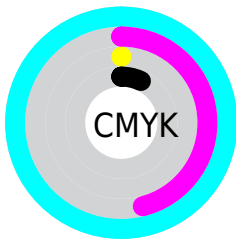
Distribution



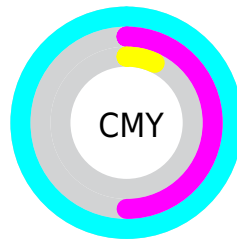
- Red (0%)
- Green (50%)
- Blue (93%)



- Red (0%)
- Yellow (33%)
- Blue (93%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (50%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4945, 0.1805, 0.1697 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 21.4945, 0.1805, 0.1697 by changing the saturation by 10% instead.


 21.4945, 0.1805,
0.1697


 21.4945, 0.1805,
0.1697


259.8949, 0.2491,
0.2494


 13.4859, 0.1639,
0.1512


 45.9091, 0.2053,
0.1979


 7.7640, 0.1433,
0.1289


 63.0839, 0.2147,
0.2088

 3.9443, 0.1177,
0.1019

 84.0829, 0.2227,
0.2181

 1.6425, 0.0863,
0.0701

 109.2905, 0.2295,
0.2261

 0.3860, 0.0495,
0.0295

 139.0912, 0.2354,
0.2331

 0.0000, 0.0000,
0.0000

173.8692, 0.2406,

0.2392

214.0090, 0.2451,
0.2446

■ 21.4945, 0.1805,
0.1697

■ 21.4945, 0.1805,
0.1697

■ 21.4556, 0.1804,
0.1695

■ 24.6596, 0.1870,
0.1865

■ 28.3662, 0.1956,
0.2041

■ 32.6950, 0.2065,
0.2222

■ 37.6968, 0.2194,
0.2402

■ 43.4155, 0.2338,
0.2577

■ 49.8900, 0.2493,
0.2744

■ 57.1561, 0.2653,
0.2900

■ 65.2465, 0.2815,
0.3044

■ 74.1919, 0.2974,
0.3174

Harmonies

Analogous

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



21.4945, 0.1404, 0.1843



21.4945, 0.1805, 0.1697



21.4945, 0.2586, 0.1850

Triad

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



21.4945, 0.1805, 0.1697



21.4945, 0.5321, 0.3575



21.4945, 0.2329, 0.4777

Complementary

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



21.4945, 0.1805, 0.1697



28.6287, 0.5551, 0.3974

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.



21.4945, 0.3314, 0.5429



21.4945, 0.1805, 0.1697



21.4945, 0.5066, 0.4338

Square

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



21.4945, 0.1805, 0.1697



21.4945, 0.4815, 0.2872



21.4945, 0.4302, 0.5088



21.4945, 0.1625, 0.3444

Rectangle

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



21.4945, 0.1805, 0.1697



21.4945, 0.3312, 0.2099



21.4945, 0.4302, 0.5088



21.4945, 0.2641, 0.5116

Sweetspot

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



21.4951, 0.1805, 0.1697



67.9000, 0.2649, 0.2896



61.0448, 0.2777, 0.5197



13.7255, 0.2581, 0.2831



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.



21.4951, 0.1805, 0.1697



25.4369, 0.1802, 0.1688



6.3238, 0.1507, 0.0624



15.9010, 0.2981, 0.3179



12.0883, 0.1812, 0.1722



1.1413, 0.1877, 0.1956

Inverse Universe

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



19.3990, 0.4810, 0.2424



23.0990, 0.4821, 0.2430



71.2650, 0.4284, 0.4980



15.1906, 0.3208, 0.3163



10.7131, 0.4780, 0.2407



0.8606, 0.4502, 0.2254

Previews

White Background



This preview shows how the Yxy color 21.4945, 0.1805, 0.1697 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 21.4945, 0.1805, 0.1697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

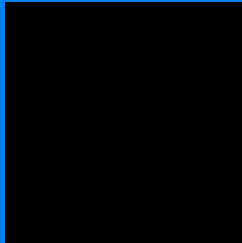
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

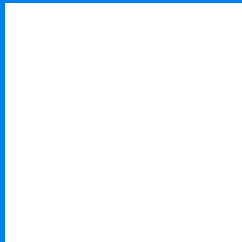
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.4945, 0.1805, 0.1697

Background



This preview shows how black text looks on a background with the Yxy color 21.4945, 0.1805, 0.1697.



This preview shows how white text looks on a background with the Yxy color 21.4945, 0.1805, 0.1697.

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

21.4945, 0.1805, 0.1697

Protanopia

21.3913, 0.1959, 0.1723

Deuteranopia

21.5667, 0.1833, 0.1798



Tritanopia

21.2841, 0.2190, 0.3085

Trichromacy



Original Color

21.4945, 0.1805, 0.1697

Protanomaly

21.1548, 0.1867, 0.1702

Deuteranomaly

21.4700, 0.1821, 0.1755

Tritanomaly

20.9857, 0.2014, 0.2451

Monochromacy



Original Color

21.4945, 0.1805, 0.1697

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.7271, 0.2257, 0.2471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4945, 0.1805, 0.1697 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, 128, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 236)  
}
```

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, 128, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 236) }
```

Border

The CSS property to change the border of an element to Yxy 21.4945, 0.1805, 0.1697 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, 128, 236) }
```

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

```
.border{ border-color:rgb(0, 128, 236) }
```

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

Here you see how a box with a 4 pixel rgb(0, 128, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4945, 0.1805, 0.1697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 236) }
```

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

```
.background{ background-color: rgb(0, 128,  
236) }
```

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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