

Converting Colors

$Yxy(11.1789, 0.1381, 0.1180)$

Have a look what the booklet for
Yxy(11.1789, 0.1381, 0.1180)
contains.

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Color

Yxy(13.2793, 0.1698, 0.1312)

Conversions

Conversions Part 1

Format	Color
Hex	005EDE
RGB	0, 94, 222
RGB Percent	0%, 37%, 87%
CMY	0.9993, 0.6314, 0.1295
CMYK	1.00, 0.58, 0.00, 0.13
HSL	215°, 100%, 44%
HSV	215°, 100%, 87%
XYZ	17.1862, 13.2793, 70.7487
YIQ	80.4860, -97.1120, 19.8800

Conversions

Conversions Part 2

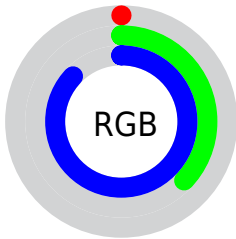
Format	Color
R _{YB}	0, 66, 222
Decimal	24286
CIE Lab	43.18, 27.65, -71.19
CIE LCh	43, 76.371, 291.223
Yxy	13.2793, 0.1698, 0.1312
Android (android.graphics.Color)	4278214366 (0xFF005EDE)
YUV	80.4860, 69.7664, -70.5862
Hunter-Lab	36.4408, 20.4127, -89.6013

Details

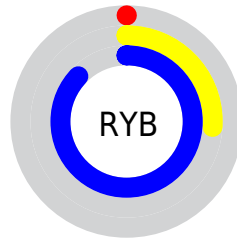
The Yxy color **13.2793, 0.1698, 0.1312** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **31.0037, 0.5196, 0.4256**, and the grayscale version is **8.0078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1698, 0.2081, 0.1855**, and **5.0344, 0.1615, 0.1013** is the 20% darker color. If you saturate the color by 10%, you get **13.2608, 0.1698, 0.1311**, and if you desaturate by 10%, it is **15.9233, 0.1772, 0.1504**.

Distribution



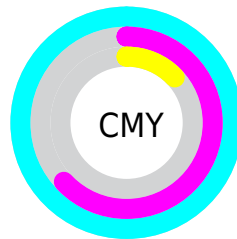
- Red (0%)
- Green (37%)
- Blue (87%)



- Red (0%)
- Yellow (26%)
- Blue (87%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (63%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.2793, 0.1698, 0.1312 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 13.2793, 0.1698, 0.1312 by changing the saturation by 10% instead.

■ 13.2793, 0.1698,
0.1312

■ 13.2793, 0.1698,
0.1312

212.7000, 0.2482,
0.2302

■ 7.6212, 0.1500,
0.1093

■ 31.8047, 0.1989,
0.1657

■ 3.8535, 0.1255,
0.0838

■ 45.4407, 0.2098,
0.1792

■ 1.5920, 0.0955,
0.0554

■ 62.5047, 0.2189,
0.1908

■ 0.3522, 0.0608,
0.0210

■ 83.3813, 0.2266,
0.2009

■ 0.0000, 0.0000,
0.0000

■ 108.4547, 0.2332,
0.2096

138.1093, 0.2389,

0.2173

172.7296, 0.2439,
0.2241

■ 13.2793, 0.1698,
0.1312

■ 13.2793, 0.1698,
0.1312

■ 13.2608, 0.1698,
0.1311

■ 15.9233, 0.1772,
0.1504

■ 19.1619, 0.1871,
0.1714

■ 23.0757, 0.1996,
0.1937

■ 27.7166, 0.2142,
0.2162

■ 33.1300, 0.2303,
0.2385

■ 39.3568, 0.2471,
0.2598

■ 46.4344, 0.2642,
0.2796

■ 54.3976, 0.2811,
0.2979

■ 63.2792, 0.2974,
0.3144

Harmonies

Analogous

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



13.2793, 0.1093, 0.1323



13.2793, 0.1698, 0.1312



13.2793, 0.2861, 0.1604

Triad

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



13.2793, 0.1698, 0.1312



13.2793, 0.5960, 0.3745



13.2793, 0.1589, 0.4788

Complementary

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



13.2793, 0.1698, 0.1312



31.0037, 0.5196, 0.4256

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.



13.2793, 0.2691, 0.6284



13.2793, 0.1698, 0.1312



13.2793, 0.5208, 0.4792

Square

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



13.2793, 0.1698, 0.1312



13.2793, 0.5831, 0.2932



13.2793, 0.3984, 0.5914



13.2793, 0.0992, 0.2784

Rectangle

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



13.2793, 0.1698, 0.1312



13.2793, 0.3948, 0.1965



13.2793, 0.3984, 0.5914



13.2793, 0.1915, 0.5477

Sweetspot

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



13.2796, 0.1698, 0.1312



63.2639, 0.2637, 0.2790



53.7347, 0.2665, 0.4794



12.6320, 0.2564, 0.2708



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.



13.2796, 0.1698, 0.1312



17.9180, 0.1694, 0.1297



5.3777, 0.1517, 0.0610



14.1916, 0.2981, 0.3151



8.0879, 0.1705, 0.1338



0.7351, 0.1789, 0.1640

Inverse Universe

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



16.3380, 0.5310, 0.2699



22.3400, 0.5331, 0.2710



65.5241, 0.4076, 0.5145



13.7963, 0.3226, 0.3191



9.7245, 0.5275, 0.2680



0.6917, 0.4881, 0.2462

Previews

White Background



This preview shows how the Yxy color 13.2793, 0.1698, 0.1312 looks on a white background.

Color Contrast Check

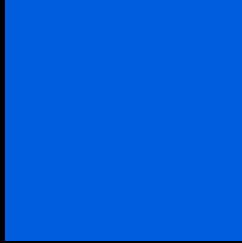
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 13.2793, 0.1698, 0.1312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

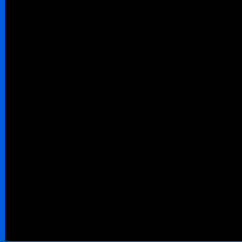
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2793, 0.1698, 0.1312

Background



This preview shows how black text looks on a background with the Yxy color 13.2793, 0.1698, 0.1312.



This preview shows how white text looks on a background with the Yxy color 13.2793, 0.1698, 0.1312.

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

13.2793, 0.1698, 0.1312

Protanopia

13.2894, 0.1742, 0.1469

Deuteranopia

13.1150, 0.1853, 0.1872



Tritanopia

13.1663, 0.2198, 0.3114

Trichromacy



Original Color

13.2793, 0.1698, 0.1312

Protanomaly

13.3535, 0.1727, 0.1416

Deuteranomaly

13.0094, 0.1785, 0.1624

Tritanomaly

12.7424, 0.1946, 0.2207

Monochromacy



Original Color

13.2793, 0.1698, 0.1312

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.0516, 0.2169, 0.2204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2793, 0.1698, 0.1312 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, 94, 222)` looks like.

```
.text, #text, p{  
  color:rgb(0, 94, 222)  
}
```

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, 94, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 94, 222) }
```

Border

The CSS property to change the border of an element to Yxy 13.2793, 0.1698, 0.1312 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, 94, 222) }
```

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

```
.border{ border-color:rgb(0, 94, 222) }
```

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

Here you see how a box with a 4 pixel rgb(0, 94, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 94, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 94, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 94, 222)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.2793, 0.1698, 0.1312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 94, 222) }
```

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

```
.background{ background-color: rgb(0, 94,  
222) }
```

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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