

Converting Colors

$Yxy(13.9175, 0.1676, 0.1234)$

Have a look what the booklet for
Yxy(13.9175, 0.1676, 0.1234)
contains.

Yxy(14.0036, 0.1677, 0.1236)	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(14.0036, 0.1677, 0.1236)

Conversions

Conversions Part 1

Format	Color
Hex	005EEB
RGB	0, 94, 235
RGB Percent	0%, 37%, 92%
CMY	0.9986, 0.6314, 0.0785
CMYK	1.00, 0.60, 0.00, 0.08
HSL	216°, 100%, 46%
HSV	216°, 100%, 92%
XYZ	19.0000, 14.0036, 80.2941
YIQ	81.9680, -101.2850, 23.9230

Conversions

Conversions Part 2

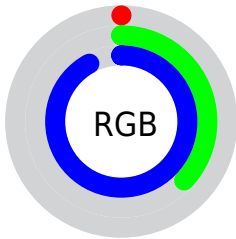
Format	Color
RYB	0, 67, 235
Decimal	24299
CIELab	44.24, 32.71, -76.83
CIELCh	44, 83.505, 293.059
Yxy	14.0036, 0.1677, 0.1236
Android (android.graphics.Color)	4278214379 (0xFF005EEB)
YUV	81.9680, 75.4448, -71.8859
Hunter-Lab	37.4214, 25.1427, -101.0221

Details

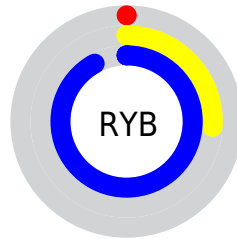
The Yxy color **14.0036, 0.1677, 0.1236** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **36.8151, 0.5130, 0.4308**, and the grayscale version is **8.3133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4177, 0.2101, 0.1861**, and **5.4956, 0.1600, 0.0958** is the 20% darker color. If you saturate the color by 10%, you get **13.9647, 0.1676, 0.1233**, and if you desaturate by 10%, it is **16.9390, 0.1751, 0.1430**.

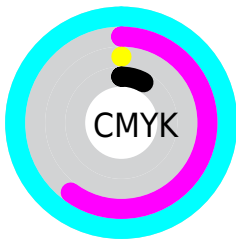
Distribution



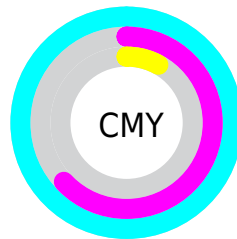
- Red (0%)
- Green (37%)
- Blue (92%)



- Red (0%)
- Yellow (26%)
- Blue (92%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (63%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0036, 0.1677, 0.1236 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 14.0036, 0.1677, 0.1236 by changing the saturation by 10% instead.


 14.0036, 0.1677,
0.1236

 14.0036, 0.1677,
0.1236


217.2532, 0.2462,
0.2234


 8.1232, 0.1484,
0.1024


 33.0954, 0.1965,
0.1576


 4.1739, 0.1248,
0.0782


 47.0756, 0.2073,
0.1712

 1.7713, 0.0962,
0.0517

 64.5245, 0.2165,
0.1830

 0.4692, 0.0632,
0.0226

 85.8264, 0.2242,
0.1932

 0.0000, 0.0165,
0.0000

 111.3659, 0.2309,
0.2022

 0.0000, 0.0000,
0.0000

141.5273, 0.2367,

0.2101

176.6949, 0.2418,
0.2172

■ 14.0036, 0.1677,
0.1236

■ 14.0036, 0.1677,
0.1236

■ 13.9647, 0.1676,
0.1233

■ 16.9390, 0.1751,
0.1430

■ 20.5869, 0.1852,
0.1646

■ 25.0399, 0.1980,
0.1876

■ 30.3606, 0.2130,
0.2111

■ 36.6035, 0.2294,
0.2343

■ 43.8180, 0.2466,
0.2566

■ 52.0492, 0.2639,
0.2775

■ 61.3391, 0.2810,
0.2966

■ 71.7273, 0.2974,
0.3138

Harmonies

Analogous

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



14.0036, 0.1032, 0.1223



14.0036, 0.1677, 0.1236



14.0036, 0.2931, 0.1553

Triad

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



14.0036, 0.1677, 0.1236



14.0036, 0.6066, 0.3756



14.0036, 0.1427, 0.4759

Complementary

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



14.0036, 0.1677, 0.1236



36.8151, 0.5130, 0.4308

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.



14.0036, 0.2531, 0.6493



14.0036, 0.1677, 0.1236



14.0036, 0.5159, 0.4841

Square

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



14.0036, 0.1677, 0.1236



14.0036, 0.6051, 0.2925



14.0036, 0.3882, 0.6118



14.0036, 0.0871, 0.2627

Rectangle

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



14.0036, 0.1677, 0.1236



14.0036, 0.4109, 0.1933



14.0036, 0.3882, 0.6118



14.0036, 0.1748, 0.5542

Sweetspot

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



14.0039, 0.1677, 0.1236



62.3599, 0.2635, 0.2769



61.3428, 0.2633, 0.4678



12.4200, 0.2561, 0.2682



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.



14.0039, 0.1677, 0.1236



16.6770, 0.1674, 0.1226



6.1972, 0.1529, 0.0616



15.5355, 0.2980, 0.3145



8.0059, 0.1684, 0.1263



0.8122, 0.1760, 0.1537

Inverse Universe

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



18.4767, 0.5415, 0.2758



22.2147, 0.5430, 0.2765



73.3414, 0.4016, 0.5193



15.1537, 0.3230, 0.3196



10.3010, 0.5378, 0.2737



0.8274, 0.5012, 0.2534

Previews

White Background



This preview shows how the Yxy color 14.0036, 0.1677, 0.1236 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 14.0036, 0.1677, 0.1236 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 14.0036, 0.1677, 0.1236

Background



This preview shows how black text looks on a background with the Yxy color 14.0036, 0.1677, 0.1236.



This preview shows how white text looks on a background with the Yxy color 14.0036, 0.1677, 0.1236.

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

14.0036, 0.1677, 0.1236

Protanopia

13.8678, 0.1741, 0.1469

Deuteranopia

13.8928, 0.1856, 0.1882



Tritanopia

13.8959, 0.2206, 0.3141

Trichromacy



Original Color

14.0036, 0.1677, 0.1236

Protanomaly

13.9027, 0.1717, 0.1381

Deuteranomaly

13.7198, 0.1776, 0.1593

Tritanomaly

13.3695, 0.1933, 0.2158

Monochromacy



Original Color

14.0036, 0.1677, 0.1236

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.2206, 0.2126, 0.2101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0036, 0.1677, 0.1236 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 94, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 94, 235) }
```

Border

The CSS property to change the border of an element to Yxy 14.0036, 0.1677, 0.1236 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, 235) }
```

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

```
.border{ border-color:rgb(0, 94, 235) }
```

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, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 94, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 94, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 94, 235)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.0036, 0.1677, 0.1236 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, 235) }
```

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

```
.background{ background-color: rgb(0, 94,  
235) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor