

Converting Colors

$Yxy(18.7616, 0.1736, 0.1340)$

Have a look what the booklet for
Yxy(18.7616, 0.1736, 0.1340)
contains.

Yxy(18.7119, 0.1735, 0.1337)	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(18.7119, 0.1735, 0.1337)

Conversions

Conversions Part 1

Format	Color
Hex	226EFF
RGB	34, 110, 255
RGB Percent	13%, 43%, 100%
CMY	0.8676, 0.5686, 0.0000
CMYK	0.87, 0.57, 0.00, 0.00
HSL	219°, 100%, 57%
HSV	219°, 87%, 100%
XYZ	24.2821, 18.7119, 96.9604
YIQ	103.8060, -91.8410, 28.9830

Conversions

Conversions Part 2

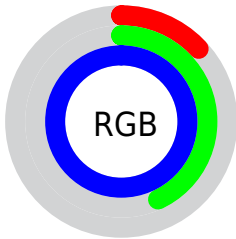
Format	Color
R _Y B	34, 91, 255
Decimal	2256639
CIE Lab	50.35, 31.28, -78.02
CIE LCh	50, 84.058, 291.845
Yxy	18.7119, 0.1735, 0.1337
Android (android.graphics.Color)	4280446719 (0xFF226EFF)
YUV	103.8060, 74.5386, -61.2199
Hunter-Lab	43.2573, 24.4992, -102.6174

Details

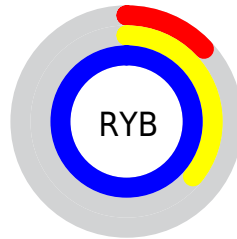
The Yxy color **18.7119, 0.1735, 0.1337** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **53.5109, 0.4804, 0.4463**, and the grayscale version is **13.5869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7747, 0.2209, 0.2100**, and **7.6980, 0.1625, 0.1050** is the 20% darker color. If you saturate the color by 10%, you get **15.1552, 0.1654, 0.1134**, and if you desaturate by 10%, it is **23.2652, 0.1849, 0.1568**.

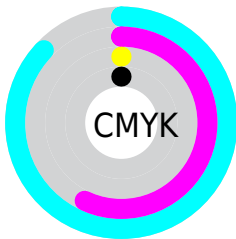
Distribution



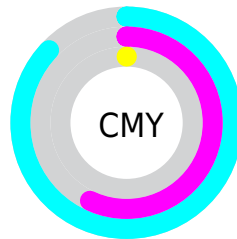
- Red (13%)
- Green (43%)
- Blue (100%)



- Red (13%)
- Yellow (36%)
- Blue (100%)



- Cyan (87%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (87%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7119, 0.1735, 0.1337 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 18.7119, 0.1735, 0.1337 by changing the saturation by 10% instead.


 18.7119, 0.1735,
0.1337

 18.7119, 0.1735,
0.1337


244.8536, 0.2462,
0.2261


 11.4623, 0.1562,
0.1143


 41.2467, 0.1996,
0.1649


 6.3787, 0.1352,
0.0919


 57.3007, 0.2096,
0.1774


 3.0767, 0.1097,
0.0668

 77.0583, 0.2181,
0.1882

 1.1719, 0.0794,
0.0403

 100.9038, 0.2254,
0.1977

 0.0386, 0.0467,
0.0022

 129.2217, 0.2316,
0.2061

 0.0000, 0.0000,
0.0000

162.3964, 0.2371,

0.2135

200.8122, 0.2419,
0.2201

■ 18.7119, 0.1735,
0.1337

■ 18.7119, 0.1735,
0.1337

■ 15.1552, 0.1654,
0.1134

■ 23.2652, 0.1849,
0.1568

■ 14.1819, 0.1632,
0.1075

■ 28.9156, 0.1990,
0.1817

■ 35.7435, 0.2152,
0.2073

■ 43.8213, 0.2327,
0.2326

■ 53.2148, 0.2508,
0.2566

■ 63.9844, 0.2686,
0.2790

■ 76.1869, 0.2859,
0.2995

■ 89.8753, 0.3023,
0.3178

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



18.7119, 0.1123, 0.1343



18.7119, 0.1735, 0.1337



18.7119, 0.2898, 0.1634

Triad

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



18.7119, 0.1735, 0.1337



18.7119, 0.5917, 0.3774



18.7119, 0.1597, 0.4714

Complementary

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



18.7119, 0.1735, 0.1337



53.5109, 0.4804, 0.4463

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.



18.7119, 0.2685, 0.6214



18.7119, 0.1735, 0.1337



18.7119, 0.5146, 0.4790

Square

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



18.7119, 0.1735, 0.1337



18.7119, 0.5803, 0.2961



18.7119, 0.3940, 0.5868



18.7119, 0.1011, 0.2767

Rectangle

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



18.7119, 0.1735, 0.1337



18.7119, 0.3971, 0.1996



18.7119, 0.3940, 0.5868



18.7119, 0.1918, 0.5391

Sweetspot

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



18.7107, 0.1735, 0.1337



64.8639, 0.2700, 0.2807



75.0528, 0.2559, 0.4326



13.0429, 0.2639, 0.2732



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.



18.7107, 0.1735, 0.1337



14.1819, 0.1632, 0.1075



9.5414, 0.1663, 0.0758



18.4014, 0.2979, 0.3130



7.6597, 0.1640, 0.1105



0.9401, 0.1703, 0.1329

Inverse Universe

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



23.5162, 0.5245, 0.2764



21.9628, 0.5647, 0.2884



87.1342, 0.3933, 0.5184



18.0904, 0.3240, 0.3208



11.5012, 0.5604, 0.2861



1.1394, 0.5287, 0.2686

Previews

White Background



This preview shows how the Yxy color 18.7119, 0.1735, 0.1337 looks on a white background.

Color Contrast Check

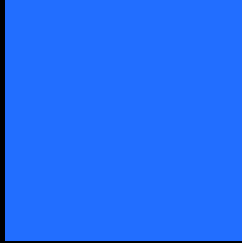
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7119, 0.1735, 0.1337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

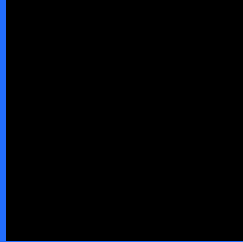
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

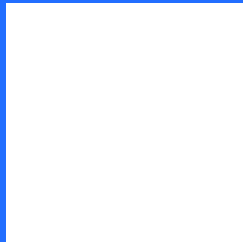
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.7119, 0.1735, 0.1337

Background



This preview shows how black text looks on a background with the Yxy color 18.7119, 0.1735, 0.1337.



This preview shows how white text looks on a background with the Yxy color 18.7119, 0.1735, 0.1337.

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

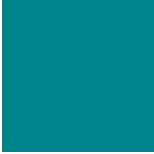
18.7119, 0.1735, 0.1337

Protanopia

18.5057, 0.1735, 0.1447

Deuteranopia

18.5225, 0.1848, 0.1854



Tritanopia

18.3960, 0.2199, 0.3115

Trichromacy



Original Color

18.7119, 0.1735, 0.1337

Protanomaly

18.6038, 0.1733, 0.1411

Deuteranomaly

18.5260, 0.1796, 0.1635

Tritanomaly

17.8709, 0.1962, 0.2219

Monochromacy



Original Color

18.7119, 0.1735, 0.1337

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.4310, 0.2281, 0.2262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7119, 0.1735, 0.1337 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(34, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(34, 110, 255)  
}
```

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(34, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 110, 255) }
```

Border

The CSS property to change the border of an element to Yxy 18.7119, 0.1735, 0.1337 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(34, 110, 255) }
```

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

```
.border{ border-color:rgb(34, 110, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 110, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(34, 110,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7119, 0.1735, 0.1337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 110, 255) }
```

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

```
.background{ background-color: rgb(34, 110,  
255) }
```

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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