

Converting Colors

$Yxy(14.7159, 0.1723, 0.1344)$

Have a look what the booklet for
Yxy(14.7159, 0.1723, 0.1344)
contains.

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Color

Yxy(14.7193, 0.1723, 0.1343)

Conversions

Conversions Part 1

Format	Color
Hex	1463E5
RGB	20, 99, 229
RGB Percent	8%, 39%, 90%
CMY	0.9233, 0.6119, 0.1018
CMYK	0.91, 0.57, 0.00, 0.10
HSL	217°, 84%, 49%
HSV	217°, 91%, 90%
XYZ	18.8841, 14.7193, 75.9967
YIQ	90.1990, -88.8140, 23.6820

Conversions

Conversions Part 2

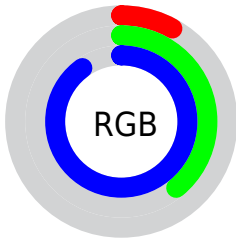
Format	Color
R _Y B	20, 77, 229
Decimal	1336293
CIE Lab	45.25, 27.76, -71.81
CIE LCh	45, 76.989, 291.136
Yxy	14.7193, 0.1723, 0.1343
Android (android.graphics.Color)	4279526373 (0xFF1463E5)
YUV	90.1990, 68.4289, -61.5645
Hunter-Lab	38.3657, 20.7199, -90.5885

Details

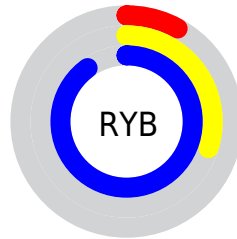
The Yxy color **14.7193, 0.1723, 0.1343** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **38.4015, 0.4950, 0.4391**, and the grayscale version is **10.0939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0299, 0.2120, 0.1927**, and **5.6169, 0.1622, 0.1040** is the 20% darker color. If you saturate the color by 10%, you get **12.4474, 0.1661, 0.1179**, and if you desaturate by 10%, it is **18.0120, 0.1821, 0.1558**.

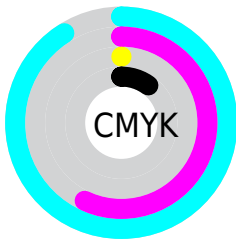
Distribution



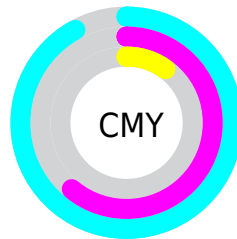
- Red (8%)
- Green (39%)
- Blue (90%)



- Red (8%)
- Yellow (30%)
- Blue (90%)



- Cyan (91%)
- Magenta (57%)
- Yellow (0%)
- Black (10%)





- Cyan (92%)
- Magenta (61%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7193, 0.1723, 0.1343 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 14.7193, 0.1723, 0.1343 by changing the saturation by 10% instead.


 14.7193, 0.1723,
0.1343


 14.7193, 0.1723,
0.1343


221.6609, 0.2484,
0.2306


 8.6226, 0.1533,
0.1131

 34.3600, 0.2004,
0.1677


 4.4959, 0.1299,
0.0884


 48.6728, 0.2109,
0.1808


 1.9546, 0.1011,
0.0606

 66.4931, 0.2197,
0.1921

 0.5809, 0.0672,
0.0302

 88.2053, 0.2272,
0.2019

 0.0000, 0.0169,
0.0000

 114.1938, 0.2337,
0.2105

 0.0000, 0.0000,
0.0000

144.8429, 0.2393,

0.2180

180.5372, 0.2441,
0.2247

■ 14.7193, 0.1723,
0.1343

■ 14.7193, 0.1723,
0.1343

■ 12.4474, 0.1661,
0.1179

■ 18.0120, 0.1821,
0.1558

■ 22.0781, 0.1947,
0.1792

■ 26.9805, 0.2096,
0.2033

■ 32.7735, 0.2261,
0.2274

■ 39.5061, 0.2434,
0.2506

■ 47.2231, 0.2610,
0.2724

■ 55.9661, 0.2783,
0.2925

■ 65.7741, 0.2948,
0.3106

■ 76.6838, 0.3105,
0.3268

Harmonies

Analogous

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



14.7193, 0.1123, 0.1356



14.7193, 0.1723, 0.1343



14.7193, 0.2866, 0.1632

Triad

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



14.7193, 0.1723, 0.1343



14.7193, 0.5912, 0.3757



14.7193, 0.1629, 0.4752

Complementary

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



14.7193, 0.1723, 0.1343



38.4015, 0.4950, 0.4391

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.



14.7193, 0.2721, 0.6201



14.7193, 0.1723, 0.1343



14.7193, 0.5180, 0.4776

Square

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



14.7193, 0.1723, 0.1343



14.7193, 0.5767, 0.2948



14.7193, 0.3982, 0.5846



14.7193, 0.1030, 0.2809

Rectangle

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



14.7193, 0.1723, 0.1343



14.7193, 0.3926, 0.1988



14.7193, 0.3982, 0.5846



14.7193, 0.1953, 0.5415

Sweetspot

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



14.7196, 0.1723, 0.1343



64.8908, 0.2685, 0.2813



58.3610, 0.2596, 0.4493



13.0929, 0.2625, 0.2742



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.



14.7196, 0.1723, 0.1343



15.7090, 0.1658, 0.1168



6.6785, 0.1595, 0.0690



14.7782, 0.2981, 0.3140



7.3290, 0.1669, 0.1207



0.7162, 0.1750, 0.1499

Inverse Universe

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



18.0477, 0.5251, 0.2722



22.1170, 0.5512, 0.2810



69.0256, 0.3989, 0.5174



14.4580, 0.3233, 0.3201



9.9376, 0.5457, 0.2780



0.7520, 0.5061, 0.2562

Previews

White Background



This preview shows how the Yxy color 14.7193, 0.1723, 0.1343 looks on a white background.

Color Contrast Check

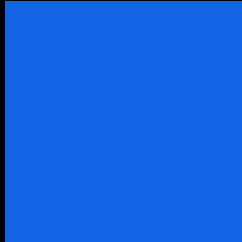
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7193, 0.1723, 0.1343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

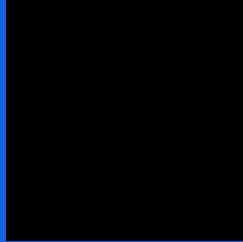
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

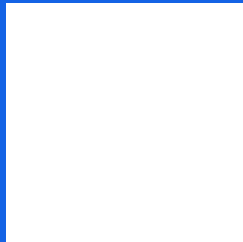
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.7193, 0.1723, 0.1343

Background



This preview shows how black text looks on a background with the Yxy color 14.7193, 0.1723, 0.1343.



This preview shows how white text looks on a background with the Yxy color 14.7193, 0.1723, 0.1343.

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

14.7295, 0.1724, 0.1344

Protanopia

14.5125, 0.1739, 0.1461

Deuteranopia

14.5251, 0.1851, 0.1862



Tritanopia

14.4375, 0.2200, 0.3120

Trichromacy



Original Color

14.7295, 0.1724, 0.1344

Protanomaly

14.5730, 0.1733, 0.1420

Deuteranomaly

14.4126, 0.1795, 0.1637

Tritanomaly

14.0584, 0.1961, 0.2226

Monochromacy



Original Color

14.7295, 0.1724, 0.1344

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.8418, 0.2239, 0.2240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7193, 0.1723, 0.1343 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(20, 99, 229)` looks like.

```
.text, #text, p{  
    color:rgb(20, 99, 229)  
}
```

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(20, 99, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 99, 229) }
```

Border

The CSS property to change the border of an element to Yxy 14.7193, 0.1723, 0.1343 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(20, 99, 229) }
```

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

```
.border{ border-color:rgb(20, 99, 229) }
```

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

Here you see how a box with a 4 pixel rgb(20, 99, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 99, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 99, 229);  
box-shadow:4px 4px 4px 4px rgb(20, 99,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7193, 0.1723, 0.1343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 99, 229) }
```

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

```
.background{ background-color: rgb(20, 99,  
229) }
```

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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