

Converting Colors

$Y_{xy}(15.1123, 0.1729, 0.1222)$

Have a look what the booklet for
Yxy(15.1123, 0.1729, 0.1222)
contains.

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Color

Yxy(15.0949, 0.1729, 0.1218)

Conversions

Conversions Part 1

Format	Color
Hex	2D5EF4
RGB	45, 94, 244
RGB Percent	18%, 37%, 96%
CMY	0.8225, 0.6316, 0.0430
CMYK	0.81, 0.62, 0.00, 0.04
HSL	225°, 90%, 57%
HSV	225°, 81%, 96%
XYZ	21.4278, 15.0949, 87.4091
YIQ	96.4490, -77.3540, 36.2620

Conversions

Conversions Part 2

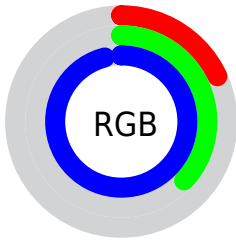
Format	Color
R_{YB}	45, 84, 244
Decimal	2973428
CIE _{Lab}	45.76, 38.09, -79.39
CIE _{LCh}	46, 88.052, 295.629
Yxy	15.0949, 0.1729, 0.1218
Android (android.graphics.Color)	4281163508 (0xFF2D5EF4)
YUV	96.4490, 72.7426, -45.1208
Hunter-Lab	38.8522, 30.4554, -106.1935

Details

The Yxy color **15.0949, 0.1729, 0.1218** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **58.6269, 0.4526, 0.4623**, and the grayscale version is **11.6606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4516, 0.2182, 0.1888**, and **5.7418, 0.1588, 0.0915** is the 20% darker color. If you saturate the color by 10%, you get **11.7959, 0.1628, 0.1001**, and if you desaturate by 10%, it is **19.4966, 0.1866, 0.1474**.

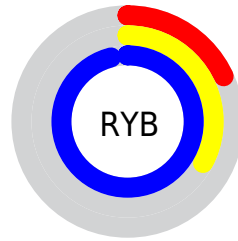
Distribution



Red (18%)

Green (37%)

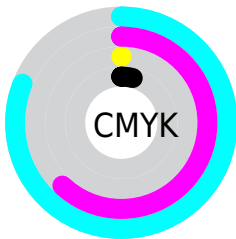
Blue (96%)



Red (18%)

Yellow (33%)

Blue (96%)

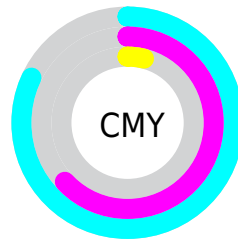


Cyan (81%)

Magenta (62%)

Yellow (0%)

Black (4%)



Cyan (82%)


Magenta (63%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0949, 0.1729, 0.1218 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 15.0949, 0.1729, 0.1218 by changing the saturation by 10% instead.


 15.0949, 0.1729,
0.1218

 15.0949, 0.1729,
0.1218


223.9399, 0.2482,
0.2204


 8.8860, 0.1545,
0.1013


 35.0196, 0.2004,
0.1550


 4.6669, 0.1320,
0.0781


 49.5042, 0.2108,
0.1683


 2.0532, 0.1045,
0.0527

 67.5161, 0.2196,
0.1800

 0.6381, 0.0723,
0.0264

 89.4398, 0.2271,
0.1901

 0.0000, 0.0347,
0.0000

 115.6596, 0.2335,
0.1991

 0.0000, 0.0000,
0.0000

146.5600, 0.2391,

0.2070

182.5253, 0.2439,
0.2141

■ 15.0949, 0.1729,
0.1218

■ 15.0949, 0.1729,
0.1218

■ 11.7959, 0.1628,
0.1001

■ 19.4966, 0.1866,
0.1474

■ 9.7421, 0.1570,
0.0853

■ 25.0991, 0.2030,
0.1754

■ 31.9891, 0.2213,
0.2042

■ 40.2449, 0.2403,
0.2326

■ 49.9377, 0.2593,
0.2594

■ 61.1338, 0.2776,
0.2842

■ 73.8953, 0.2947,
0.3065

■ 88.2805, 0.3105,
0.3263

■ 99.3145, 0.3191,
0.3395

Harmonies

Analogous

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



15.0949, 0.1037, 0.1177



15.0949, 0.1729, 0.1218



15.0949, 0.3065, 0.1563

Triad

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



15.0949, 0.1729, 0.1218



15.0949, 0.6069, 0.3821



15.0949, 0.1311, 0.4583

Complementary

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



15.0949, 0.1729, 0.1218



58.6269, 0.4526, 0.4623

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.



15.0949, 0.2387, 0.6535



15.0949, 0.1729, 0.1218



15.0949, 0.5060, 0.4940

Square

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



15.0949, 0.1729, 0.1218



15.0949, 0.6174, 0.2969



15.0949, 0.3743, 0.6257



15.0949, 0.0811, 0.2467

Rectangle

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



15.0949, 0.1729, 0.1218



15.0949, 0.4295, 0.1963



15.0949, 0.3743, 0.6257



15.0949, 0.1617, 0.5420

Sweetspot

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



15.0952, 0.1729, 0.1218



64.1600, 0.2729, 0.2780



69.2045, 0.2474, 0.3960



12.7795, 0.2664, 0.2692



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.



15.0952, 0.1729, 0.1218



11.1848, 0.1581, 0.0881



10.8628, 0.1842, 0.0910



16.5858, 0.2979, 0.3106



5.4736, 0.1577, 0.0877



0.6361, 0.1641, 0.1108

Inverse Universe

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



21.9461, 0.5377, 0.2929



21.7676, 0.5937, 0.3056



76.4372, 0.3780, 0.5236



16.5491, 0.3255, 0.3232



10.6519, 0.5947, 0.3050



0.9519, 0.5599, 0.2858

Previews

White Background



This preview shows how the Yxy color 15.0949, 0.1729, 0.1218 looks on a white background.

Color Contrast Check

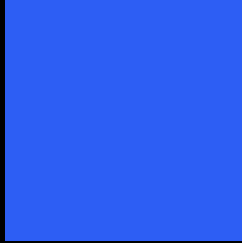
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0949, 0.1729, 0.1218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

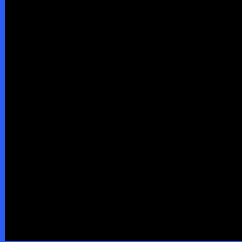
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0949, 0.1729, 0.1218

Background



This preview shows how black text looks on a background with the Yxy color 15.0949, 0.1729, 0.1218.



This preview shows how white text looks on a background with the Yxy color 15.0949, 0.1729, 0.1218.

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

15.0949, 0.1729, 0.1218

Protanopia

14.8150, 0.1739, 0.1461

Deuteranopia

14.7827, 0.1853, 0.1869



Tritanopia

14.7260, 0.2194, 0.3099

Trichromacy



Original Color

15.0949, 0.1729, 0.1218

Protanomaly

14.8259, 0.1724, 0.1362

Deuteranomaly

14.5649, 0.1785, 0.1571

Tritanomaly

14.1643, 0.1939, 0.2105

Monochromacy



Original Color

15.0949, 0.1729, 0.1218

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.1875, 0.2310, 0.2194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0949, 0.1729, 0.1218 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(45, 94, 244)` looks like.

```
.text, #text, p{  
    color:rgb(45, 94, 244)  
}
```

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(45, 94, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 94, 244) }
```

Border

The CSS property to change the border of an element to Yxy 15.0949, 0.1729, 0.1218 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(45, 94, 244) }
```

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

```
.border{ border-color:rgb(45, 94, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 94, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 94, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 94, 244);  
box-shadow:4px 4px 4px 4px rgb(45, 94,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0949, 0.1729, 0.1218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 94, 244) }
```

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

```
.background{ background-color: rgb(45, 94,  
244) }
```

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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