

Converting Colors

$Y_{xy}(15.7337, 0.1721, 0.1161)$

Have a look what the booklet for
Yxy(15.7337, 0.1721, 0.1161)
contains.

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Color

Yxy(15.7525, 0.1722, 0.1163)

Conversions

Conversions Part 1

Format	Color
Hex	335DFF
RGB	51, 93, 255
RGB Percent	20%, 36%, 100%
CMY	0.7997, 0.6352, 0.0002
CMYK	0.80, 0.64, 0.00, 0.00
HSL	228°, 100%, 60%
HSV	228°, 80%, 100%
XYZ	23.3240, 15.7525, 96.3706
YIQ	98.9100, -77.0340, 41.4780

Conversions

Conversions Part 2

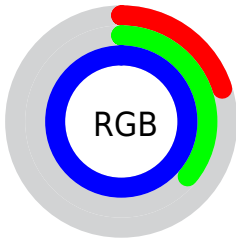
Format	Color
R_{YB}	51, 86, 255
Decimal	3366399
CIE _{Lab}	46.65, 43.00, -84.01
CIE _{LCh}	47, 94.376, 297.105
Yxy	15.7525, 0.1722, 0.1163
Android (android.graphics.Color)	4281556479 (0xFF335DFF)
YUV	98.9100, 76.9524, -42.0171
Hunter-Lab	39.6894, 35.4413, -116.1806

Details

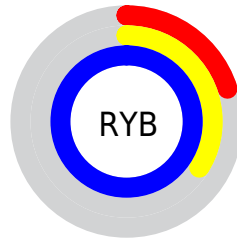
The Yxy color **15.7525, 0.1722, 0.1163** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **69.0758, 0.4442, 0.4677**, and the grayscale version is **12.2771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6107, 0.2214, 0.1888**, and **6.1451, 0.1575, 0.0869** is the 20% darker color. If you saturate the color by 10%, you get **12.1645, 0.1617, 0.0944**, and if you desaturate by 10%, it is **20.6447, 0.1865, 0.1426**.

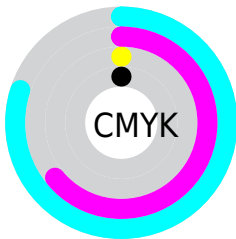
Distribution



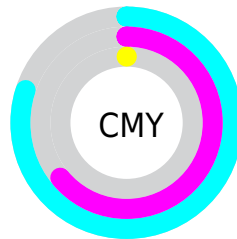
- Red (20%)
- Green (36%)
- Blue (100%)



- Red (20%)
- Yellow (34%)
- Blue (100%)



- Cyan (80%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7525, 0.1722, 0.1163 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 15.7525, 0.1722, 0.1163 by changing the saturation by 10% instead.


 15.7525, 0.1722,
0.1163


 15.7525, 0.1722,
0.1163


227.8768, 0.2472,
0.2151


 9.3492, 0.1542,
0.0964


 36.1680, 0.1994,
0.1490

 4.9696, 0.1323,
0.0741


 50.9490, 0.2097,
0.1623

 2.2295, 0.1059,
0.0501

 69.2913, 0.2184,
0.1740

 0.7360, 0.0749,
0.0261

 91.5793, 0.2259,
0.1843

 0.0000, 0.0414,
0.0000

118.1975, 0.2324,
0.1933

 0.0000, 0.0000,
0.0000

149.5302, 0.2380,

0.2014

185.9619, 0.2429,
0.2086

■ 15.7525, 0.1722,
0.1163

■ 15.7525, 0.1722,
0.1163

■ 12.1645, 0.1617,
0.0944

■ 20.6447, 0.1865,
0.1426

■ 9.7190, 0.1550,
0.0781

■ 26.9596, 0.2037,
0.1717

■ 9.7130, 0.1550,
0.0781

■ 34.8027, 0.2226,
0.2018

■ 44.2684, 0.2422,
0.2315

■ 55.4436, 0.2615,
0.2595

■ 68.4084, 0.2800,
0.2853

■ 83.2382, 0.2971,
0.3085

99.9963, 0.3127,
0.3291

Harmonies

Analogous

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



15.7525, 0.0995, 0.1105



15.7525, 0.1722, 0.1163



15.7525, 0.3141, 0.1527

Triad

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



15.7525, 0.1722, 0.1163



15.7525, 0.6143, 0.3837



15.7525, 0.1185, 0.4519

Complementary

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



15.7525, 0.1722, 0.1163



69.0758, 0.4442, 0.4677

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.



15.7525, 0.2245, 0.6697



15.7525, 0.1722, 0.1163



15.7525, 0.5004, 0.4996

Square

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



15.7525, 0.1722, 0.1163



15.7525, 0.6339, 0.2959



15.7525, 0.3610, 0.6390



15.7525, 0.0725, 0.2333

Rectangle

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



15.7525, 0.1722, 0.1163



15.7525, 0.4449, 0.1942



15.7525, 0.3610, 0.6390



15.7525, 0.1480, 0.5434

Sweetspot

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



15.7528, 0.1722, 0.1163



62.9942, 0.2727, 0.2752



76.8810, 0.2449, 0.3854



12.5056, 0.2661, 0.2660



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.



15.7528, 0.1722, 0.1163



10.5772, 0.1573, 0.0839



12.8303, 0.1903, 0.0957



17.9830, 0.2979, 0.3095



5.2466, 0.1557, 0.0803



0.6582, 0.1610, 0.0996

Inverse Universe

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



24.4132, 0.5444, 0.2994



21.8137, 0.5997, 0.3101



83.6178, 0.3732, 0.5253



18.0482, 0.3262, 0.3241



11.2576, 0.6065, 0.3114



1.1110, 0.5764, 0.2949

Previews

White Background



This preview shows how the Yxy color 15.7525, 0.1722, 0.1163 looks on a white background.

Color Contrast Check

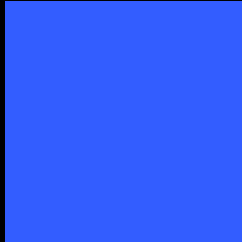
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7525, 0.1722, 0.1163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

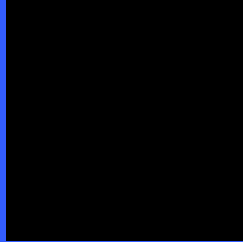
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7525, 0.1722, 0.1163

Background



This preview shows how black text looks on a background with the Yxy color 15.7525, 0.1722, 0.1163.

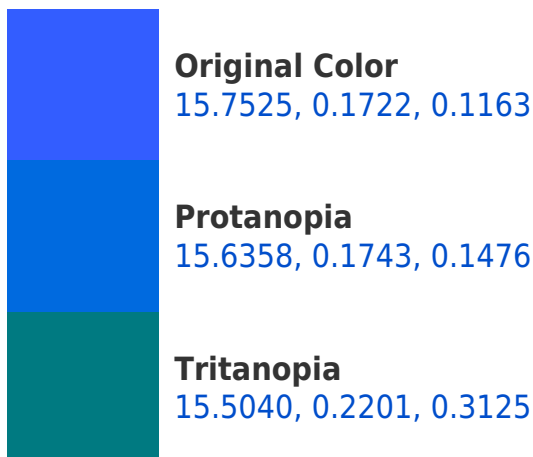


This preview shows how white text looks on a background with the Yxy color 15.7525, 0.1722, 0.1163.

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



Trichromacy



Original Color

15.7525, 0.1722, 0.1163

Protanomaly

15.4440, 0.1719, 0.1333

Tritanomaly

14.6025, 0.1930, 0.2058

Monochromacy



Original Color

15.7525, 0.1722, 0.1163

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.7435, 0.2305, 0.2135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7525, 0.1722, 0.1163 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(51, 93, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 93, 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(51, 93, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 93, 255) }
```

Border

The CSS property to change the border of an element to Yxy 15.7525, 0.1722, 0.1163 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(51, 93, 255) }
```

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

```
.border{ border-color:rgb(51, 93, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 93, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 93, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 93, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 93,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 15.7525, 0.1722, 0.1163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 93, 255) }
```

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

```
.background{ background-color: rgb(51, 93,  
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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