

Converting Colors

$Yxy(19.7494, 0.1838, 0.1573)$

Have a look what the booklet for
Yxy(19.7494, 0.1838, 0.1573)
contains.

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Color

Yxy(19.7494, 0.1838, 0.1573)

Conversions

Conversions Part 1

Format	Color
Hex	3276ED
RGB	50, 118, 237
RGB Percent	20%, 46%, 93%
CMY	0.8044, 0.5372, 0.0705
CMYK	0.79, 0.50, 0.00, 0.07
HSL	218°, 84%, 56%
HSV	218°, 79%, 93%
XYZ	23.0765, 19.7494, 82.7265
YIQ	111.2340, -78.7270, 22.5930

Conversions

Conversions Part 2

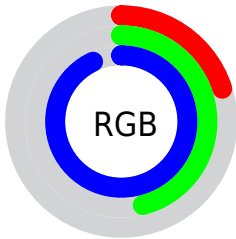
Format	Color
R _Y B	50, 100, 237
Decimal	3307245
CIE Lab	51.55, 20.75, -66.03
CIE LCh	52, 69.211, 287.444
Yxy	19.7494, 0.1838, 0.1573
Android (android.graphics.Color)	4281497325 (0xFF3276ED)
YUV	111.2340, 62.0026, -53.7022
Hunter-Lab	44.4403, 14.9193, -79.2613

Details

The Yxy color **19.7494, 0.1838, 0.1573** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **46.5694, 0.4703, 0.4409**, and the grayscale version is **15.7935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8810, 0.2245, 0.2208**, and **7.8018, 0.1681, 0.1250** is the 20% darker color. If you saturate the color by 10%, you get **16.0256, 0.1732, 0.1350**, and if you desaturate by 10%, it is **24.3527, 0.1972, 0.1814**.

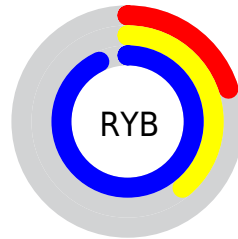
Distribution



Red (20%)

Green (46%)

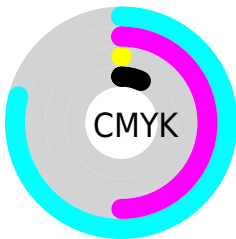
Blue (93%)



Red (20%)

Yellow (39%)

Blue (93%)

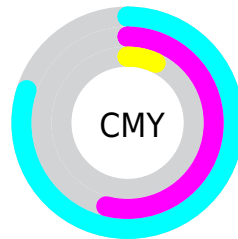


Cyan (79%)

Magenta (50%)

Yellow (0%)

Black (7%)



Cyan (80%)


Magenta (54%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7494, 0.1838, 0.1573 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 19.7494, 0.1838, 0.1573 by changing the saturation by 10% instead.


 19.7494, 0.1838,
0.1573


 19.7494, 0.1838,
0.1573


250.5552, 0.2518,
0.2420


 12.2130, 0.1671,
0.1381


 42.9966, 0.2086,
0.1869


 6.8889, 0.1463,
0.1153


 59.4763, 0.2180,
0.1985

 3.3927, 0.1204,
0.0882

 79.7058, 0.2259,
0.2084

 1.3400, 0.0885,
0.0575

 104.0696, 0.2326,
0.2169

 0.1719, 0.0516,
0.0132

 132.9520, 0.2384,
0.2244

 0.0000, 0.0000,
0.0000

166.7375, 0.2434,

0.2310

205.8104, 0.2479,
0.2368

■ 19.7494, 0.1838,
0.1573

■ 19.7494, 0.1838,
0.1573

■ 16.0256, 0.1732,
0.1350

■ 24.3527, 0.1972,
0.1814

■ 13.0888, 0.1655,
0.1153

■ 29.9012, 0.2128,
0.2062

■ 12.8171, 0.1648,
0.1133

■ 36.4549, 0.2298,
0.2307

■ 44.0675, 0.2474,
0.2542

■ 52.7882, 0.2651,
0.2762

■ 62.6632, 0.2824,
0.2963

■ 73.7354, 0.2988,
0.3145

■ 86.0457, 0.3143,
0.3306

■ 98.0453, 0.3233,
0.3451

Harmonies

Analogous

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



19.7494, 0.1328, 0.1638



19.7494, 0.1838, 0.1573



19.7494, 0.2783, 0.1804

Triad

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



19.7494, 0.1838, 0.1573



19.7494, 0.5547, 0.3731



19.7494, 0.2003, 0.4652

Complementary

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



19.7494, 0.1838, 0.1573



46.5694, 0.4703, 0.4409

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.



19.7494, 0.3020, 0.5661



19.7494, 0.1838, 0.1573



19.7494, 0.5057, 0.4574

Square

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



19.7494, 0.1838, 0.1573



19.7494, 0.5224, 0.2977



19.7494, 0.4116, 0.5406



19.7494, 0.1365, 0.3106

Rectangle

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



19.7494, 0.1838, 0.1573



19.7494, 0.3637, 0.2110



19.7494, 0.4116, 0.5406



19.7494, 0.2314, 0.5120

Sweetspot

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



19.7499, 0.1838, 0.1573



67.8162, 0.2736, 0.2862



64.0935, 0.2574, 0.4262



13.6434, 0.2674, 0.2789



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.



19.7499, 0.1838, 0.1573



16.6005, 0.1680, 0.1220



9.8756, 0.1752, 0.0896



15.4468, 0.2980, 0.3136



7.2247, 0.1657, 0.1163



0.7448, 0.1733, 0.1440

Inverse Universe

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



21.5864, 0.4907, 0.2693



22.4800, 0.5429, 0.2791



74.8120, 0.3942, 0.5081



15.1447, 0.3236, 0.3205



10.2221, 0.5519, 0.2814



0.8206, 0.5138, 0.2604

Previews

White Background



This preview shows how the Yxy color 19.7494, 0.1838, 0.1573 looks on a white background.

Color Contrast Check

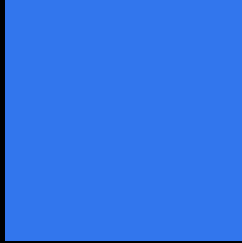
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7494, 0.1838, 0.1573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

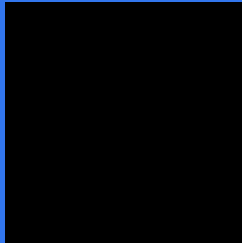
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

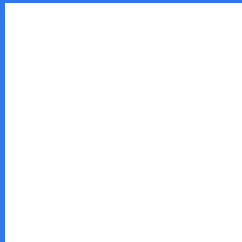
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.7494, 0.1838, 0.1573

Background



This preview shows how black text looks on a background with the Yxy color 19.7494, 0.1838, 0.1573.



This preview shows how white text looks on a background with the Yxy color 19.7494, 0.1838, 0.1573.

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

19.7494, 0.1838, 0.1573

Protanopia

19.7751, 0.1841, 0.1574

Deuteranopia

19.6770, 0.1840, 0.1823



Tritanopia

19.6527, 0.2194, 0.3099

Trichromacy



Original Color

19.7494, 0.1838, 0.1573

Protanomaly

19.7751, 0.1841, 0.1574

Deuteranomaly

19.4295, 0.1824, 0.1715

Tritanomaly

19.0435, 0.2014, 0.2377

Monochromacy



Original Color

19.7494, 0.1838, 0.1573

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.5928, 0.2419, 0.2474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7494, 0.1838, 0.1573 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(50, 118, 237)` looks like.

```
.text, #text, p{  
    color:rgb(50, 118, 237)  
}
```

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(50, 118, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 118, 237) }
```

Border

The CSS property to change the border of an element to Yxy 19.7494, 0.1838, 0.1573 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(50, 118, 237) }
```

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

```
.border{ border-color:rgb(50, 118, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 118, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 118, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 118, 237);  
box-shadow:4px 4px 4px 4px rgb(50, 118,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7494, 0.1838, 0.1573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 118, 237) }
```

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

```
.background{ background-color: rgb(50, 118,  
237) }
```

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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