

Converting Colors

$Y_{xy}(19.0990, 0.1882, 0.1560)$

Have a look what the booklet for
Yxy(19.0990, 0.1882, 0.1560)
contains.

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Color

Yxy(19.0990, 0.1882, 0.1560)

Conversions

Conversions Part 1

Format	Color
Hex	4172EA
RGB	65, 114, 234
RGB Percent	25%, 45%, 92%
CMY	0.7453, 0.5529, 0.0825
CMYK	0.72, 0.51, 0.00, 0.08
HSL	223°, 80%, 59%
HSV	223°, 72%, 92%
XYZ	23.0412, 19.0990, 80.2893
YIQ	113.0290, -67.7240, 26.9320

Conversions

Conversions Part 2

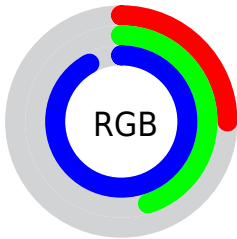
Format	Color
R _Y B	65, 103, 234
Decimal	4289258
CIE Lab	50.80, 23.82, -65.51
CIE LCh	51, 69.707, 289.982
Yxy	19.0990, 0.1882, 0.1560
Android (android.graphics.Color)	4282479338 (0xFF4172EA)
YUV	113.0290, 59.6387, -42.1214
Hunter-Lab	43.7024, 17.6314, -78.3348

Details

The Yxy color **19.0990, 0.1882, 0.1560** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **52.5183, 0.4458, 0.4485**, and the grayscale version is **16.3545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1168, 0.2284, 0.2170**, and **7.1886, 0.1669, 0.1206** is the 20% darker color. If you saturate the color by 10%, you get **15.0480, 0.1750, 0.1311**, and if you desaturate by 10%, it is **24.1613, 0.2040, 0.1828**.

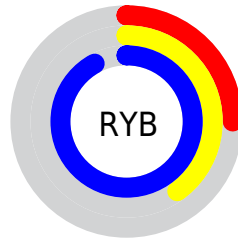
Distribution



Red (25%)

Green (45%)

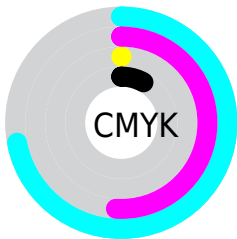
Blue (92%)



Red (25%)

Yellow (40%)

Blue (92%)

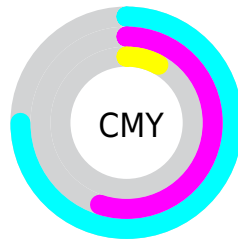


Cyan (72%)

Magenta (51%)

Yellow (0%)

Black (8%)



Cyan (75%)

Magenta (55%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0990, 0.1882, 0.1560 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 19.0990, 0.1882, 0.1560 by changing the saturation by 10% instead.

■ 19.0990, 0.1882,
0.1560

■ 19.0990, 0.1882,
0.1560

246.9948, 0.2546,
0.2414

■ 11.7418, 0.1716,
0.1367

■ 41.9013, 0.2126,
0.1859

■ 6.5681, 0.1509,
0.1136

■ 58.1153, 0.2218,
0.1975

■ 3.1935, 0.1248,
0.0863

■ 78.0503, 0.2295,
0.2075

■ 1.2336, 0.0924,
0.0554

■ 102.0907, 0.2360,
0.2161

■ 0.0889, 0.0544,
0.0073

130.6210, 0.2416,
0.2237

■ 0.0000, 0.0000,
0.0000

164.0255, 0.2465,

0.2303

202.6886, 0.2508,
0.2362

■ 19.0990, 0.1882,
0.1560

■ 19.0990, 0.1882,
0.1560

■ 15.0480, 0.1750,
0.1311

■ 24.1613, 0.2040,
0.1828

■ 11.9259, 0.1652,
0.1093

■ 30.3037, 0.2216,
0.2101

■ 10.0654, 0.1598,
0.0951

■ 37.5900, 0.2400,
0.2368

■ 46.0784, 0.2585,
0.2620

■ 55.8227, 0.2765,
0.2853

■ 66.8733, 0.2935,
0.3064

■ 79.2778, 0.3093,
0.3251

■ 93.0813, 0.3239,
0.3416

■ 98.7187, 0.3250,
0.3493

Harmonies

Analogous

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



19.0990, 0.1334, 0.1597



19.0990, 0.1882, 0.1560



19.0990, 0.2877, 0.1817

Triad

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



19.0990, 0.1882, 0.1560



19.0990, 0.5567, 0.3795



19.0990, 0.1909, 0.4546

Complementary

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



19.0990, 0.1882, 0.1560



52.5183, 0.4458, 0.4485

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.



19.0990, 0.2916, 0.5676



19.0990, 0.1882, 0.1560



19.0990, 0.5009, 0.4657

Square

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



19.0990, 0.1882, 0.1560



19.0990, 0.5325, 0.3029



19.0990, 0.4029, 0.5492



19.0990, 0.1307, 0.2983

Rectangle

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



19.0990, 0.1882, 0.1560



19.0990, 0.3761, 0.2140



19.0990, 0.4029, 0.5492



19.0990, 0.2212, 0.5048

Sweetspot

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



19.0995, 0.1882, 0.1560



68.0461, 0.2767, 0.2856



63.3787, 0.2532, 0.3996



13.8394, 0.2719, 0.2795



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.



19.0995, 0.1882, 0.1560



16.2008, 0.1695, 0.1194



12.3505, 0.1929, 0.1091



15.2615, 0.2980, 0.3118



5.8456, 0.1605, 0.0977



0.6195, 0.1680, 0.1248

Inverse Universe

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



22.4759, 0.4884, 0.2826



23.2298, 0.5441, 0.2874



71.5099, 0.3828, 0.5047



15.1260, 0.3247, 0.3222



10.0829, 0.5793, 0.2965



0.8080, 0.5399, 0.2748

Previews

White Background



This preview shows how the Yxy color 19.0990, 0.1882, 0.1560 looks on a white background.

Color Contrast Check

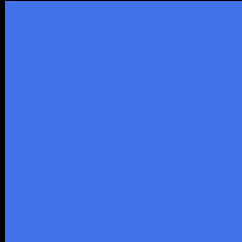
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0990, 0.1882, 0.1560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

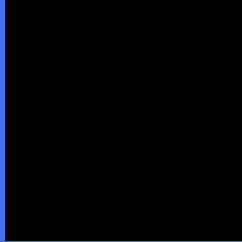
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

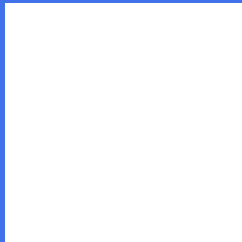
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.0990, 0.1882, 0.1560

Background



This preview shows how black text looks on a background with the Yxy color 19.0990, 0.1882, 0.1560.



This preview shows how white text looks on a background with the Yxy color 19.0990, 0.1882, 0.1560.

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

19.0990, 0.1882, 0.1560

Protanopia

19.1048, 0.1820, 0.1548

Deuteranopia

19.0210, 0.1839, 0.1820



Tritanopia

18.7582, 0.2188, 0.3075

Trichromacy



Original Color

19.0990, 0.1882, 0.1560

Protanomaly

18.9897, 0.1839, 0.1549

Deuteranomaly

18.8476, 0.1832, 0.1714

Tritanomaly

18.2505, 0.2017, 0.2349

Monochromacy



Original Color

19.0990, 0.1882, 0.1560

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.7314, 0.2481, 0.2468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0990, 0.1882, 0.1560 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(65, 114, 234)` looks like.

```
.text, #text, p{  
    color:rgb(65, 114, 234)  
}
```

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(65, 114, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 114, 234) }
```

Border

The CSS property to change the border of an element to Yxy 19.0990, 0.1882, 0.1560 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(65, 114, 234) }
```

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

```
.border{ border-color:rgb(65, 114, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 114, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 114, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 114, 234);  
box-shadow:4px 4px 4px 4px rgb(65, 114,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0990, 0.1882, 0.1560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 114, 234) }
```

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

```
.background{ background-color: rgb(65, 114,  
234) }
```

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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