

Converting Colors

$Y_{xy}(20.0050, 0.1856, 0.1474)$

Have a look what the booklet for
Yxy(20.0050, 0.1856, 0.1474)
contains.

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Color

Yxy(19.9790, 0.1856, 0.1472)

Conversions

Conversions Part 1

Format	Color
Hex	4472F7
RGB	68, 114, 247
RGB Percent	27%, 45%, 97%
CMY	0.7336, 0.5529, 0.0312
CMYK	0.72, 0.54, 0.00, 0.03
HSL	225°, 92%, 62%
HSV	225°, 72%, 97%
XYZ	25.1909, 19.9790, 90.5570
YIQ	115.4080, -70.1090, 31.6110

Conversions

Conversions Part 2

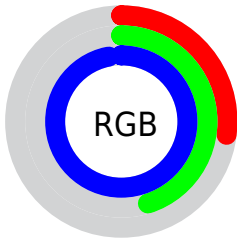
Format	Color
R _Y B	68, 105, 247
Decimal	4485879
CIE Lab	51.81, 28.87, -71.16
CIE LCh	52, 76.798, 292.084
Yxy	19.9790, 0.1856, 0.1472
Android (android.graphics.Color)	4282675959 (0xFF4472F7)
YUV	115.4080, 64.8749, -41.5768
Hunter-Lab	44.6979, 22.3781, -88.8318

Details

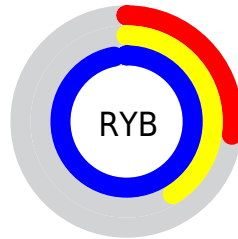
The Yxy color **19.9790, 0.1856, 0.1472** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **61.9618, 0.4417, 0.4539**, and the grayscale version is **17.0857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4486, 0.2307, 0.2176**, and **7.7320, 0.1646, 0.1126** is the 20% darker color. If you saturate the color by 10%, you get **15.5387, 0.1724, 0.1220**, and if you desaturate by 10%, it is **25.6246, 0.2017, 0.1748**.

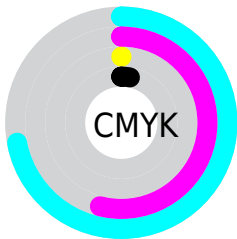
Distribution



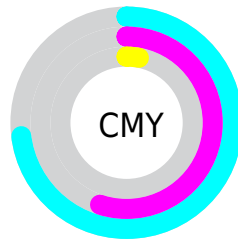
- Red (27%)
- Green (45%)
- Blue (97%)



- Red (27%)
- Yellow (41%)
- Blue (97%)



- Cyan (72%)
- Magenta (54%)
- Yellow (0%)
- Black (3%)




- Cyan (73%)
- Magenta (55%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9790, 0.1856, 0.1472 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 19.9790, 0.1856, 0.1472 by changing the saturation by 10% instead.


 19.9790, 0.1856,
0.1472


 19.9790, 0.1856,
0.1472


251.8014, 0.2526,
0.2346


 12.3798, 0.1693,
0.1282


 43.3820, 0.2100,
0.1772


 7.0029, 0.1490,
0.1058


 59.9545, 0.2192,
0.1890

 3.4639, 0.1239,
0.0799

 80.2870, 0.2270,
0.1993

 1.3785, 0.0931,
0.0513

 104.7637, 0.2336,
0.2082

 0.2008, 0.0579,
0.0130

133.7691, 0.2393,
0.2160

 0.0000, 0.0000,
0.0000

167.6876, 0.2443,

0.2230

206.9036, 0.2487,
0.2291

■ 19.9790, 0.1856,
0.1472

■ 19.9790, 0.1856,
0.1472

■ 15.5387, 0.1724,
0.1220

■ 25.6246, 0.2017,
0.1748

■ 12.2015, 0.1627,
0.1006

■ 32.5614, 0.2197,
0.2032

■ 10.3325, 0.1577,
0.0876

■ 40.8689, 0.2385,
0.2313

■ 50.6189, 0.2575,
0.2579

■ 61.8783, 0.2757,
0.2825

■ 74.7094, 0.2930,
0.3047

■ 89.1711, 0.3089,
0.3244

■ 99.4979, 0.3173,
0.3366

Harmonies

Analogous

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



19.9790, 0.1261, 0.1482



19.9790, 0.1856, 0.1472



19.9790, 0.2943, 0.1759

Triad

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



19.9790, 0.1856, 0.1472



19.9790, 0.5704, 0.3830



19.9790, 0.1746, 0.4537

Complementary

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



19.9790, 0.1856, 0.1472



61.9618, 0.4417, 0.4539

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.



19.9790, 0.2778, 0.5867



19.9790, 0.1856, 0.1472



19.9790, 0.5026, 0.4753

Square

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



19.9790, 0.1856, 0.1472



19.9790, 0.5550, 0.3037



19.9790, 0.3951, 0.5679



19.9790, 0.1168, 0.2839

Rectangle

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



19.9790, 0.1856, 0.1472



19.9790, 0.3910, 0.2106



19.9790, 0.3951, 0.5679



19.9790, 0.2052, 0.5117

Sweetspot

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



19.9795, 0.1856, 0.1472



67.1021, 0.2766, 0.2835



71.9099, 0.2506, 0.3917



13.6194, 0.2717, 0.2771



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.



19.9795, 0.1856, 0.1472



14.8929, 0.1674, 0.1115



14.1425, 0.1960, 0.1098



16.6194, 0.2979, 0.3109



5.6552, 0.1584, 0.0902



0.6562, 0.1649, 0.1136

Inverse Universe

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



25.1234, 0.4993, 0.2885



23.0978, 0.5551, 0.2938



79.9780, 0.3787, 0.5085



16.5525, 0.3253, 0.3229



10.6703, 0.5908, 0.3029



0.9539, 0.5558, 0.2835

Previews

White Background



This preview shows how the Yxy color 19.9790, 0.1856, 0.1472 looks on a white background.

Color Contrast Check

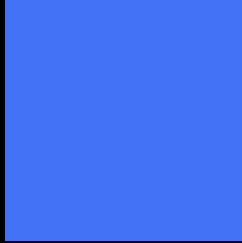
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9790, 0.1856, 0.1472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

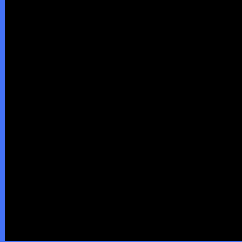
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9790, 0.1856, 0.1472

Background



This preview shows how black text looks on a background with the Yxy color 19.9790, 0.1856, 0.1472.



This preview shows how white text looks on a background with the Yxy color 19.9790, 0.1856, 0.1472.

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

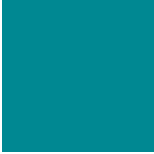
19.9790, 0.1856, 0.1472

Protanopia

19.9219, 0.1735, 0.1447

Deuteranopia

19.9837, 0.1842, 0.1830



Tritanopia

19.6836, 0.2189, 0.3079

Trichromacy



Original Color

19.9790, 0.1856, 0.1472

Protanomaly

19.8314, 0.1755, 0.1449

Deuteranomaly

19.7829, 0.1821, 0.1675

Tritanomaly

19.0639, 0.2000, 0.2288

Monochromacy



Original Color

19.9790, 0.1856, 0.1472

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.5025, 0.2457, 0.2418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9790, 0.1856, 0.1472 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(68, 114, 247)` looks like.

```
.text, #text, p{  
  color:rgb(68, 114, 247)  
}
```

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(68, 114, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 114, 247) }
```

Border

The CSS property to change the border of an element to Yxy 19.9790, 0.1856, 0.1472 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(68, 114, 247) }
```

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

```
.border{ border-color:rgb(68, 114, 247) }
```

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

Here you see how a box with a 4 pixel rgb(68, 114, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 114, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 114, 247);  
box-shadow:4px 4px 4px 4px rgb(68, 114,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9790, 0.1856, 0.1472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 114, 247) }
```

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

```
.background{ background-color: rgb(68, 114,  
247) }
```

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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