

Converting Colors

$Yxy(21.1008, 0.1781, 0.1464)$

Have a look what the booklet for
Yxy(21.1008, 0.1781, 0.1464)
contains.

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Color

Yxy(21.1244, 0.1782, 0.1466)

Conversions

Conversions Part 1

Format	Color
Hex	2978FF
RGB	41, 120, 255
RGB Percent	16%, 47%, 100%
CMY	0.8388, 0.5294, 0.0002
CMYK	0.84, 0.53, 0.00, 0.00
HSL	218°, 100%, 58%
HSV	218°, 84%, 100%
XYZ	25.6778, 21.1244, 97.2933
YIQ	111.7690, -90.4190, 25.2370

Conversions

Conversions Part 2

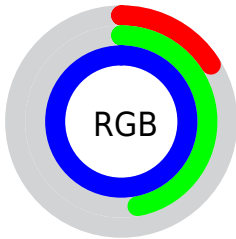
Format	Color
R _Y B	41, 99, 255
Decimal	2717951
CIE Lab	53.09, 25.45, -73.52
CIE LCh	53, 77.802, 289.091
Yxy	21.1244, 0.1782, 0.1466
Android (android.graphics.Color)	4280908031 (0xFF2978FF)
YUV	111.7690, 70.6129, -62.0644
Hunter-Lab	45.9613, 19.2928, -93.3353

Details

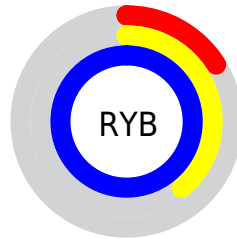
The Yxy color **21.1244, 0.1782, 0.1466** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **52.4894, 0.4809, 0.4415**, and the grayscale version is **15.9519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0101, 0.2253, 0.2247**, and **8.7963, 0.1659, 0.1171** is the 20% darker color. If you saturate the color by 10%, you get **17.2074, 0.1692, 0.1255**, and if you desaturate by 10%, it is **26.0316, 0.1902, 0.1699**.

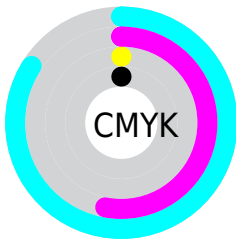
Distribution



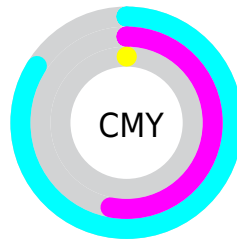
- Red (16%)
- Green (47%)
- Blue (100%)



- Red (16%)
- Yellow (39%)
- Blue (100%)



- Cyan (84%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (84%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1244, 0.1782, 0.1466 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 21.1244, 0.1782, 0.1466 by changing the saturation by 10% instead.


 21.1244, 0.1782,
0.1466


 21.1244, 0.1782,
0.1466

257.9389, 0.2477,
0.2336


 13.2150, 0.1617,
0.1278


 45.2945, 0.2031,
0.1763


 7.5767, 0.1415,
0.1059


 62.3239, 0.2126,
0.1881


 3.8253, 0.1169,
0.0806

 83.1621, 0.2207,
0.1983

 1.5763, 0.0872,
0.0527

 108.1935, 0.2277,
0.2072

 0.3416, 0.0537,
0.0193

 137.8025, 0.2337,
0.2150

 0.0000, 0.0000,
0.0000

172.3735, 0.2390,

0.2220

212.2908, 0.2436,
0.2281

■ 21.1244, 0.1782,
0.1466

■ 21.1244, 0.1782,
0.1466

■ 17.2074, 0.1692,
0.1255

■ 26.0316, 0.1902,
0.1699

■ 15.2325, 0.1650,
0.1140

■ 32.0143, 0.2048,
0.1944

■ 39.1475, 0.2211,
0.2191

■ 47.4979, 0.2385,
0.2431

■ 57.1264, 0.2563,
0.2658

■ 68.0891, 0.2739,
0.2868

■ 80.4386, 0.2908,
0.3059

■ 94.2246, 0.3068,
0.3229

■ 99.9971, 0.3127,
0.3290

Harmonies

Analogous

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



21.1244, 0.1231, 0.1508



21.1244, 0.1782, 0.1466



21.1244, 0.2813, 0.1724

Triad

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



21.1244, 0.1782, 0.1466



21.1244, 0.5722, 0.3748



21.1244, 0.1839, 0.4709

Complementary

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



21.1244, 0.1782, 0.1466



52.4894, 0.4809, 0.4415

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.



21.1244, 0.2898, 0.5899



21.1244, 0.1782, 0.1466



21.1244, 0.5112, 0.4654

Square

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



21.1244, 0.1782, 0.1466



21.1244, 0.5464, 0.2966



21.1244, 0.4066, 0.5593



21.1244, 0.1211, 0.2983

Rectangle

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



21.1244, 0.1782, 0.1466



21.1244, 0.3757, 0.2053



21.1244, 0.4066, 0.5593



21.1244, 0.2159, 0.5259

Sweetspot

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



21.1249, 0.1782, 0.1466



66.8117, 0.2719, 0.2846



74.9816, 0.2587, 0.4389



13.4541, 0.2658, 0.2773



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.



21.1249, 0.1782, 0.1466



15.2384, 0.1650, 0.1140



9.9715, 0.1668, 0.0789



18.4752, 0.2979, 0.3136



8.2226, 0.1658, 0.1170



1.0009, 0.1721, 0.1395

Inverse Universe

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



24.2016, 0.5065, 0.2699



22.0695, 0.5552, 0.2832



88.4764, 0.3980, 0.5120



18.0979, 0.3236, 0.3203



11.5580, 0.5509, 0.2809



1.1456, 0.5198, 0.2637

Previews

White Background



This preview shows how the Yxy color 21.1244, 0.1782, 0.1466 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 21.1244, 0.1782, 0.1466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

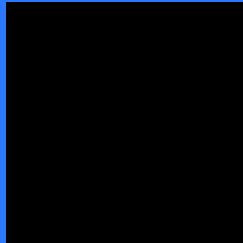
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

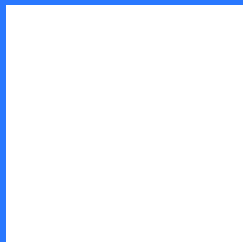
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.1244, 0.1782, 0.1466

Background



This preview shows how black text looks on a background with the Yxy color 21.1244, 0.1782, 0.1466.



This preview shows how white text looks on a background with the Yxy color 21.1244, 0.1782, 0.1466.

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

21.1244, 0.1782, 0.1466

Protanopia

21.1014, 0.1759, 0.1468

Deuteranopia

21.0282, 0.1842, 0.1829



Tritanopia

20.9261, 0.2196, 0.3104

Trichromacy



Original Color

21.1244, 0.1782, 0.1466

Protanomaly

21.1861, 0.1768, 0.1471

Deuteranomaly

21.0214, 0.1810, 0.1680

Tritanomaly

20.5075, 0.1990, 0.2310

Monochromacy



Original Color

21.1244, 0.1782, 0.1466

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.9202, 0.2345, 0.2380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1244, 0.1782, 0.1466 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(41, 120, 255)` looks like.

```
.text, #text, p{  
  color:rgb(41, 120, 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(41, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 120, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.1244, 0.1782, 0.1466 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(41, 120, 255) }
```

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

```
.border{ border-color:rgb(41, 120, 255) }
```

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

Here you see how a box with a 4 pixel rgb(41, 120, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(41, 120,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1244, 0.1782, 0.1466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 120, 255) }
```

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

```
.background{ background-color: rgb(41, 120,  
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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