

Converting Colors

$Y_{xy}(17.7362, 0.1723, 0.1282)$

Have a look what the booklet for
Yxy(17.7362, 0.1723, 0.1282)
contains.

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Color

Yxy(17.6982, 0.1723, 0.1280)

Conversions

Conversions Part 1

Format	Color
Hex	2469FF
RGB	36, 105, 255
RGB Percent	14%, 41%, 100%
CMY	0.8591, 0.5882, 0.0001
CMYK	0.86, 0.59, 0.00, 0.00
HSL	221°, 100%, 57%
HSV	221°, 86%, 100%
XYZ	23.8234, 17.6982, 96.7456
YIQ	101.4690, -89.2740, 32.0220

Conversions

Conversions Part 2

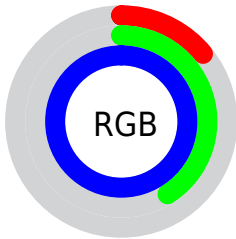
Format	Color
R _Y B	36, 88, 255
Decimal	2386431
CIE Lab	49.13, 34.53, -79.98
CIE LCh	49, 87.119, 293.349
Yxy	17.6982, 0.1723, 0.1280
Android (android.graphics.Color)	4280576511 (0xFF2469FF)
YUV	101.4690, 75.6908, -57.4163
Hunter-Lab	42.0692, 27.4618, -106.8993

Details

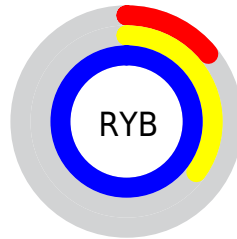
The Yxy color **17.6982, 0.1723, 0.1280** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **56.4576, 0.4727, 0.4517**, and the grayscale version is **12.9563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1345, 0.2201, 0.2037**, and **7.1591, 0.1608, 0.0989** is the 20% darker color. If you saturate the color by 10%, you get **14.1930, 0.1639, 0.1075**, and if you desaturate by 10%, it is **22.2596, 0.1841, 0.1517**.

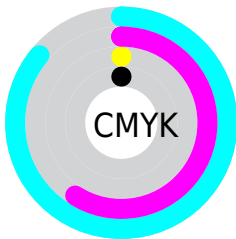
Distribution



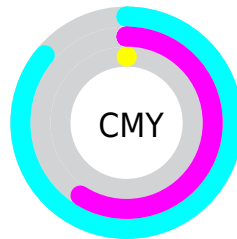
- Red (14%)
- Green (41%)
- Blue (100%)



- Red (14%)
- Yellow (35%)
- Blue (100%)



- Cyan (86%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)



- Cyan (86%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6982, 0.1723, 0.1280 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 17.6982, 0.1723, 0.1280 by changing the saturation by 10% instead.

■ 17.6982, 0.1723,
0.1280

■ 17.6982, 0.1723,
0.1280

■ 239.1644, 0.2461,
0.2226

■ 10.7335, 0.1547,
0.1084

■ 39.5224, 0.1989,
0.1597

■ 5.8879, 0.1334,
0.0860

■ 55.1507, 0.2090,
0.1725

■ 2.7771, 0.1075,
0.0611

■ 74.4357, 0.2176,
0.1837

■ 1.0165, 0.0771,
0.0354

■ 97.7617, 0.2250,
0.1934

■ 0.0000, 0.0442,
0.0000

■ 125.5132, 0.2313,
0.2020

■ 0.0000, 0.0000,
0.0000

158.0746, 0.2369,

0.2097

195.8302, 0.2418,
0.2165

■ 17.6982, 0.1723,
0.1280

■ 17.6982, 0.1723,
0.1280

■ 14.1930, 0.1639,
0.1075

■ 22.2596, 0.1841,
0.1517

■ 13.0156, 0.1612,
0.1002

■ 27.9767, 0.1988,
0.1775

■ 34.9359, 0.2155,
0.2040

■ 43.2139, 0.2335,
0.2303

■ 52.8804, 0.2519,
0.2554

■ 63.9996, 0.2700,
0.2787

■ 76.6318, 0.2873,
0.2999

■ 90.8334, 0.3036,
0.3188

■ 99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



17.6982, 0.1079, 0.1266



17.6982, 0.1723, 0.1280



17.6982, 0.2957, 0.1597

Triad

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



17.6982, 0.1723, 0.1280



17.6982, 0.5992, 0.3786



17.6982, 0.1473, 0.4683

Complementary

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



17.6982, 0.1723, 0.1280



56.4576, 0.4727, 0.4517

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.



17.6982, 0.2563, 0.6365



17.6982, 0.1723, 0.1280



17.6982, 0.5138, 0.4862

Square

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



17.6982, 0.1723, 0.1280



17.6982, 0.5969, 0.2960



17.6982, 0.3863, 0.6025



17.6982, 0.0919, 0.2645

Rectangle

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



17.6982, 0.1723, 0.1280



17.6982, 0.4098, 0.1975



17.6982, 0.3863, 0.6025



17.6982, 0.1790, 0.5429

Sweetspot

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



17.6986, 0.1723, 0.1280



63.9005, 0.2698, 0.2784



75.4060, 0.2529, 0.4210



12.8178, 0.2636, 0.2706



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.



17.6986, 0.1723, 0.1280



13.0186, 0.1612, 0.1002



10.0170, 0.1705, 0.0788



18.3125, 0.2979, 0.3123



7.0372, 0.1620, 0.1030



0.8713, 0.1681, 0.1252

Inverse Universe

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



23.5335, 0.5318, 0.2818



21.8454, 0.5756, 0.2945



86.0498, 0.3881, 0.5216



18.0814, 0.3244, 0.3215



11.4384, 0.5713, 0.2921



1.1325, 0.5394, 0.2745

Previews

White Background



This preview shows how the Yxy color 17.6982, 0.1723, 0.1280 looks on a white background.

Color Contrast Check

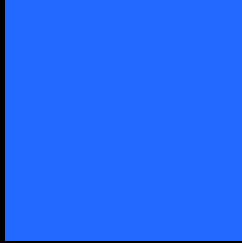
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6982, 0.1723, 0.1280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

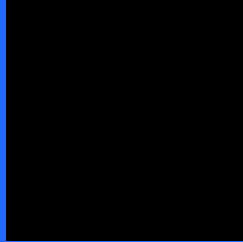
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6982, 0.1723, 0.1280

Background



This preview shows how black text looks on a background with the Yxy color 17.6982, 0.1723, 0.1280.



This preview shows how white text looks on a background with the Yxy color 17.6982, 0.1723, 0.1280.

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

17.6982, 0.1723, 0.1280

Protanopia

17.4250, 0.1737, 0.1454

Deuteranopia

17.5054, 0.1852, 0.1865



Tritanopia

17.4781, 0.2204, 0.3133

Trichromacy



Original Color

17.6982, 0.1723, 0.1280

Protanomaly

17.4939, 0.1727, 0.1385

Deuteranomaly

17.3941, 0.1790, 0.1607

Tritanomaly

16.7732, 0.1953, 0.2182

Monochromacy



Original Color

17.6982, 0.1723, 0.1280

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.5148, 0.2271, 0.2209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6982, 0.1723, 0.1280 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(36, 105, 255)` looks like.

```
.text, #text, p{  
  color:rgb(36, 105, 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(36, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 105, 255) }
```

Border

The CSS property to change the border of an element to Yxy 17.6982, 0.1723, 0.1280 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(36, 105, 255) }
```

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

```
.border{ border-color:rgb(36, 105, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(36, 105,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6982, 0.1723, 0.1280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 105, 255) }
```

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

```
.background{ background-color: rgb(36, 105,  
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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