

Converting Colors

$Yxy(18.1515, 0.1974, 0.1732)$

Have a look what the booklet for
Yxy(18.1515, 0.1974, 0.1732)
contains.

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Color

Yxy(18.2293, 0.1976, 0.1736)

Conversions

Conversions Part 1

Format	Color
Hex	4772D6
RGB	71, 114, 214
RGB Percent	28%, 45%, 84%
CMY	0.7217, 0.5529, 0.1609
CMYK	0.67, 0.47, 0.00, 0.16
HSL	222°, 64%, 56%
HSV	222°, 67%, 84%
XYZ	20.7495, 18.2293, 66.0287
YIQ	112.5430, -57.7280, 21.9840

Conversions

Conversions Part 2

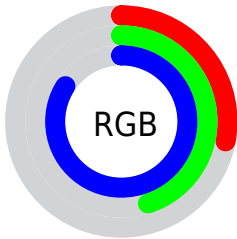
Format	Color
R _Y B	71, 104, 214
Decimal	4682454
CIE Lab	49.77, 17.56, -55.88
CIE LCh	50, 58.578, 287.444
Yxy	18.2293, 0.1976, 0.1736
Android (android.graphics.Color)	4282872534 (0xFF4772D6)
YUV	112.5430, 50.0183, -36.4332
Hunter-Lab	42.6958, 12.0306, -61.8045

Details

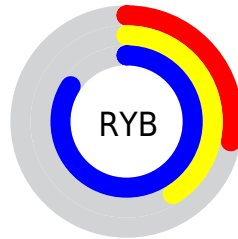
The Yxy color **18.2293, 0.1976, 0.1736** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **43.8521, 0.4368, 0.4412**, and the grayscale version is **16.2330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1168, 0.2284, 0.2170**, and **6.4829, 0.1710, 0.1355** is the 20% darker color. If you saturate the color by 10%, you get **14.4551, 0.1830, 0.1478**, and if you desaturate by 10%, it is **22.8411, 0.2143, 0.2004**.

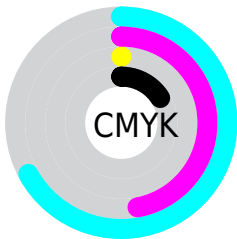
Distribution



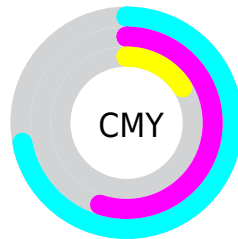
- Red (28%)
- Green (45%)
- Blue (84%)



- Red (28%)
- Yellow (41%)
- Blue (84%)



- Cyan (67%)
- Magenta (47%)
- Yellow (0%)
- Black (16%)



- Cyan (72%)
- Magenta (55%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2293, 0.1976, 0.1736 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 18.2293, 0.1976, 0.1736 by changing the saturation by 10% instead.

■ 18.2293, 0.1976,
0.1736

■ 18.2293, 0.1976,
0.1736

242.1603, 0.2602,
0.2534

■ 11.1147, 0.1813,
0.1544

■ 40.4277, 0.2211,
0.2024

■ 6.1441, 0.1604,
0.1307

■ 56.2802, 0.2298,
0.2133

■ 2.9329, 0.1333,
0.1015

■ 75.8143, 0.2370,
0.2226

■ 1.0968, 0.0984,
0.0666

■ 99.4142, 0.2431,
0.2305

■ 0.0000, 0.0493,
0.0000

127.4644, 0.2483,
0.2374

■ 0.0000, 0.0000,
0.0000

160.3492, 0.2528,

0.2434

198.4530, 0.2568,
0.2487

■ 18.2293, 0.1976,
0.1736

■ 18.2293, 0.1976,
0.1736

■ 14.4551, 0.1830,
0.1478

■ 22.8411, 0.2143,
0.2004

■ 11.4587, 0.1713,
0.1242

■ 28.3409, 0.2323,
0.2269

■ 9.1707, 0.1629,
0.1040

■ 34.7762, 0.2506,
0.2524

■ 8.5654, 0.1607,
0.0984

■ 42.1909, 0.2687,
0.2761

■ 50.6255, 0.2860,
0.2977

■ 60.1184, 0.3023,
0.3170

■ 70.7058, 0.3174,
0.3342

■ 82.4222, 0.3312,
0.3493

■ 93.6411, 0.3379,
0.3631

Harmonies

Analogous

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



18.2293, 0.1496, 0.1807



18.2293, 0.1976, 0.1736



18.2293, 0.2835, 0.1950

Triad

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



18.2293, 0.1976, 0.1736



18.2293, 0.5278, 0.3751



18.2293, 0.2154, 0.4454

Complementary

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



18.2293, 0.1976, 0.1736



43.8521, 0.4368, 0.4412

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.



18.2293, 0.3082, 0.5322



18.2293, 0.1976, 0.1736



18.2293, 0.4891, 0.4510

Square

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



18.2293, 0.1976, 0.1736



18.2293, 0.4959, 0.3041



18.2293, 0.4072, 0.5190



18.2293, 0.1552, 0.3156

Rectangle

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



18.2293, 0.1976, 0.1736



18.2293, 0.3584, 0.2233



18.2293, 0.4072, 0.5190



18.2293, 0.2439, 0.4843

Sweetspot

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



18.2299, 0.1976, 0.1736



70.9022, 0.2803, 0.2906



52.2742, 0.2563, 0.3968



14.4118, 0.2753, 0.2845



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.



18.2299, 0.1976, 0.1736



19.5988, 0.1779, 0.1381



11.9094, 0.2012, 0.1239



12.6119, 0.2982, 0.3122



5.3387, 0.1614, 0.1009



0.4660, 0.1711, 0.1358

Inverse Universe

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



20.0116, 0.4645, 0.2816



24.8063, 0.5155, 0.2818



59.1982, 0.3821, 0.4932



12.4817, 0.3244, 0.3220



8.8838, 0.5745, 0.2939



0.5504, 0.5247, 0.2664

Previews

White Background



This preview shows how the Yxy color 18.2293, 0.1976, 0.1736 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 18.2293, 0.1976, 0.1736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

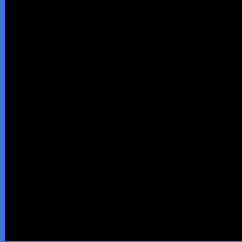
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2293, 0.1976, 0.1736

Background



This preview shows how black text looks on a background with the Yxy color 18.2293, 0.1976, 0.1736.



This preview shows how white text looks on a background with the Yxy color 18.2293, 0.1976, 0.1736.

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

18.2293, 0.1976, 0.1736

Protanopia

18.1186, 0.1962, 0.1731

Deuteranopia

18.2887, 0.1835, 0.1782



Tritanopia

18.2138, 0.2199, 0.3073

Trichromacy



Original Color

18.2293, 0.1976, 0.1736

Protanomaly

18.1549, 0.1967, 0.1732

Deuteranomaly

18.0523, 0.1858, 0.1761

Tritanomaly

17.8015, 0.2069, 0.2456

Monochromacy



Original Color

18.2293, 0.1976, 0.1736

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.6089, 0.2560, 0.2585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2293, 0.1976, 0.1736 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(71, 114, 214)` looks like.

```
.text, #text, p{  
    color:rgb(71, 114, 214)  
}
```

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(71, 114, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 114, 214) }
```

Border

The CSS property to change the border of an element to Yxy 18.2293, 0.1976, 0.1736 is called "border". The border property can be set on classes, ids or directly on the HTML element.

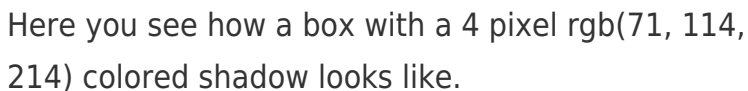
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 114, 214) }
```

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

```
.border{ border-color:rgb(71, 114, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(71, 114, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 114, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 114, 214);  
box-shadow:4px 4px 4px 4px rgb(71, 114,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2293, 0.1976, 0.1736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 114, 214) }
```

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

```
.background{ background-color: rgb(71, 114,  
214) }
```

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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