

Converting Colors

$Y_{xy}(12.0339, 0.2000, 0.1776)$

Have a look what the booklet for
Yxy(12.0339, 0.2000, 0.1776)
contains.

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Color

Yxy(12.0304, 0.1999, 0.1776)

Conversions

Conversions Part 1

Format	Color
Hex	3B5EAF
RGB	59, 94, 175
RGB Percent	23%, 37%, 69%
CMY	0.7689, 0.6313, 0.3137
CMYK	0.66, 0.46, 0.00, 0.31
HSL	222°, 50%, 46%
HSV	222°, 66%, 69%
XYZ	13.5410, 12.0304, 42.1674
YIQ	92.7690, -46.8610, 17.7710

Conversions

Conversions Part 2

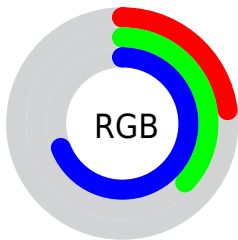
Format	Color
R _Y B	59, 86, 175
Decimal	3890863
CIE Lab	41.26, 14.31, -47.05
CIE LCh	41, 49.178, 286.918
Yxy	12.0304, 0.1999, 0.1776
Android (android.graphics.Color)	4282080943 (0xFF3B5EAF)
YUV	92.7690, 40.5399, -29.6154
Hunter-Lab	34.6849, 8.9879, -47.8011

Details

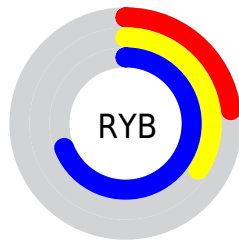
The Yxy color **12.0304, 0.1999, 0.1776** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **28.1613, 0.4343, 0.4394**, and the grayscale version is **10.7987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5676, 0.2259, 0.2096**, and **3.6018, 0.1703, 0.1330** is the 20% darker color. If you saturate the color by 10%, you get **9.5805, 0.1851, 0.1520**, and if you desaturate by 10%, it is **15.0038, 0.2166, 0.2040**.

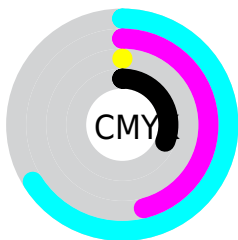
Distribution



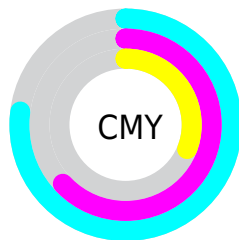
- Red (23%)
- Green (37%)
- Blue (69%)



- Red (23%)
- Yellow (34%)
- Blue (69%)



- Cyan (66%)
- Magenta (46%)
- Yellow (0%)
- Black (31%)



- Cyan (77%)
- Magenta (63%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.0304, 0.1999, 0.1776 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 12.0304, 0.1999, 0.1776 by changing the saturation by 10% instead.

■ 12.0304, 0.1999,
0.1776

■ 12.0304, 0.1999,
0.1776

■ 204.6064, 0.2654,
0.2611

■ 6.7644, 0.1810,
0.1553

■ 29.5505, 0.2258,
0.2094

■ 3.3152, 0.1557,
0.1268

■ 42.5733, 0.2349,
0.2209

■ 1.2984, 0.1213,
0.0904

■ 58.9505, 0.2423,
0.2305

■ 0.1400, 0.0710,
0.0206

■ 79.0666, 0.2485,
0.2386

■ 0.0000, 0.0000,
0.0000

■ 103.3058, 0.2537,
0.2455

132.0525, 0.2582,

0.2514

165.6913, 0.2620,
0.2566

■ 12.0304, 0.1999,
0.1776

■ 12.0304, 0.1999,
0.1776

■ 9.5805, 0.1851,
0.1520

■ 15.0038, 0.2166,
0.2040

■ 7.6181, 0.1731,
0.1283

■ 18.5307, 0.2344,
0.2301

■ 6.1010, 0.1642,
0.1077

■ 22.6402, 0.2524,
0.2549

■ 5.6322, 0.1614,
0.1009

■ 27.3585, 0.2702,
0.2781

■ 32.7105, 0.2872,
0.2992

■ 38.7193, 0.3032,
0.3181

■ 45.4070, 0.3180,
0.3349

■ 52.7946, 0.3316,
0.3497

■ 60.9021, 0.3439,
0.3627

Harmonies

Analogous

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



12.0304, 0.1534, 0.1854



12.0304, 0.1999, 0.1776



12.0304, 0.2829, 0.1980

Triad

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



12.0304, 0.1999, 0.1776



12.0304, 0.5212, 0.3740



12.0304, 0.2203, 0.4429

Complementary

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



12.0304, 0.1999, 0.1776



28.1613, 0.4343, 0.4394

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.



12.0304, 0.3112, 0.5247



12.0304, 0.1999, 0.1776



12.0304, 0.4858, 0.4477

Square

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



12.0304, 0.1999, 0.1776



12.0304, 0.4884, 0.3044



12.0304, 0.4073, 0.5126



12.0304, 0.1606, 0.3187

Rectangle

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



12.0304, 0.1999, 0.1776



12.0304, 0.3551, 0.2255



12.0304, 0.4073, 0.5126



12.0304, 0.2483, 0.4796

Sweetspot

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



12.0308, 0.1999, 0.1776



54.5907, 0.2805, 0.2910



33.4310, 0.2569, 0.3951



11.5495, 0.2758, 0.2851



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.0308, 0.1999, 0.1776



15.2764, 0.1787, 0.1397



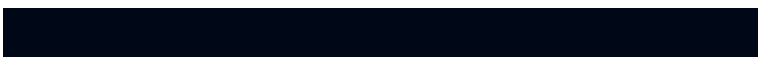
7.9303, 0.2037, 0.1280



8.1373, 0.2986, 0.3127



4.1299, 0.1619, 0.1029



0.2123, 0.1795, 0.1660

Inverse Universe

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



13.0433, 0.4593, 0.2817



19.1548, 0.5132, 0.2814



37.8192, 0.3813, 0.4906



8.0537, 0.3241, 0.3222



6.7200, 0.5715, 0.2922



0.1968, 0.4856, 0.2449

Previews

White Background



This preview shows how the Yxy color 12.0304, 0.1999, 0.1776 looks on a white background.

Color Contrast Check

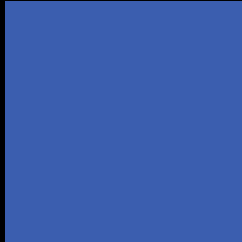
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0304, 0.1999, 0.1776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

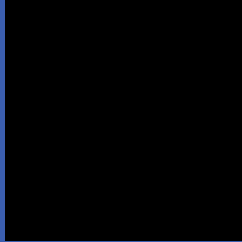
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0304, 0.1999, 0.1776

Background



This preview shows how black text looks on a background with the Yxy color 12.0304, 0.1999, 0.1776.



This preview shows how white text looks on a background with the Yxy color 12.0304, 0.1999, 0.1776.

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

12.0304, 0.1999, 0.1776

Protanopia

11.9704, 0.1988, 0.1772

Deuteranopia

12.1083, 0.1866, 0.1829



Tritanopia

11.8779, 0.2216, 0.3058

Trichromacy



Original Color

12.0304, 0.1999, 0.1776

Protanomaly

12.0001, 0.1993, 0.1774

Deuteranomaly

11.9287, 0.1896, 0.1803

Tritanomaly

11.6002, 0.2100, 0.2478

Monochromacy



Original Color

12.0304, 0.1999, 0.1776

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.0081, 0.2580, 0.2610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0304, 0.1999, 0.1776 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(59, 94, 175)` looks like.

```
.text, #text, p{  
    color:rgb(59, 94, 175)  
}
```

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(59, 94, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 94, 175) }
```

Border

The CSS property to change the border of an element to Yxy 12.0304, 0.1999, 0.1776 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(59, 94, 175) }
```

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

```
.border{ border-color:rgb(59, 94, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 94, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 94, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 94, 175);  
box-shadow:4px 4px 4px 4px rgb(59, 94,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0304, 0.1999, 0.1776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 94, 175) }
```

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

```
.background{ background-color: rgb(59, 94,  
175) }
```

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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