

Converting Colors

$Y_{xy}(23.1183, 0.2376, 0.1939)$

Have a look what the booklet for
Yxy(23.1183, 0.2376, 0.1939)
contains.

Yxy(23.1366, 0.2372, 0.1938)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.1366, 0.2372, 0.1938)

Conversions

Conversions Part 1

Format	Color
Hex	8278D8
RGB	130, 120, 216
RGB Percent	51%, 47%, 85%
CMY	0.4901, 0.5294, 0.1530
CMYK	0.40, 0.44, 0.00, 0.15
HSL	246°, 55%, 66%
HSV	246°, 44%, 85%
XYZ	28.3179, 23.1366, 67.9294
YIQ	133.9340, -24.8560, 31.9760

Conversions

Conversions Part 2

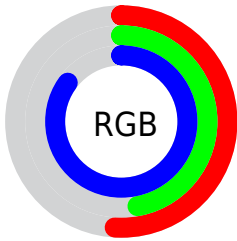
Format	Color
RYB	130, 120, 216
Decimal	8550616
CIELab	55.21, 27.00, -48.11
CIELCh	55, 55.170, 299.295
Yxy	23.1366, 0.2372, 0.1938
Android (android.graphics.Color)	4286740696 (0xFF8278D8)
YUV	133.9340, 40.4585, -3.4501
Hunter-Lab	48.1005, 20.9111, -50.0613

Details

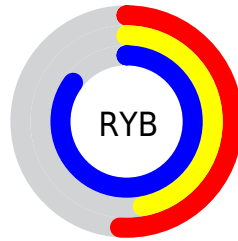
The Yxy color **23.1366, 0.2372, 0.1938** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **63.5771, 0.3702, 0.4409**, and the grayscale version is **23.6719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1642, 0.2638, 0.2345**, and **8.5755, 0.2110, 0.1561** is the 20% darker color. If you saturate the color by 10%, you get **17.1264, 0.2169, 0.1594**, and if you desaturate by 10%, it is **30.6076, 0.2570, 0.2282**.

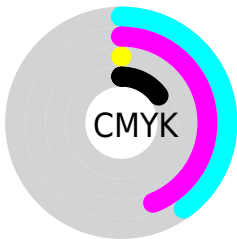
Distribution



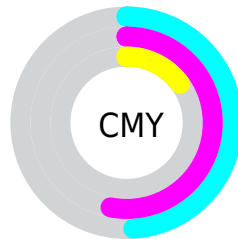
- Red (51%)
- Green (47%)
- Blue (85%)



- Red (51%)
- Yellow (47%)
- Blue (85%)



- Cyan (40%)
- Magenta (44%)
- Yellow (0%)
- Black (15%)



- Cyan (49%)
- Magenta (53%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1366, 0.2372, 0.1938 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 23.1366, 0.2372, 0.1938 by changing the saturation by 10% instead.

■ 23.1366, 0.2372,
0.1938

■ 23.1366, 0.2372,
0.1938

268.4258, 0.2787,
0.2615

■ 14.6944, 0.2260,
0.1775

■ 48.6175, 0.2530,
0.2181

■ 8.6052, 0.2113,
0.1573

■ 66.4250, 0.2587,
0.2273

■ 4.4846, 0.1914,
0.1318

■ 88.1231, 0.2635,
0.2352

■ 1.9482, 0.1638,
0.0996

114.0962, 0.2675,
0.2420

■ 0.5771, 0.1250,
0.0571

144.7286, 0.2709,
0.2478

■ 0.0000, 0.0359,
0.0000

180.4047, 0.2739,

■ 0.0000, 0.0000,

0.2530

0.0000

221.5090, 0.2764,
0.2575

■ 23.1366, 0.2372,
0.1938

■ 23.1366, 0.2372,
0.1938

■ 17.1264, 0.2169,
0.1594

■ 30.6076, 0.2570,
0.2282

■ 12.4785, 0.1974,
0.1271

■ 39.6240, 0.2754,
0.2609

■ 9.0864, 0.1799,
0.0994

■ 50.2671, 0.2921,
0.2910

■ 6.8262, 0.1660,
0.0787

■ 62.6116, 0.3068,
0.3180

■ 5.5487, 0.1566,
0.0660

■ 76.7276, 0.3196,
0.3419

■ 5.1342, 0.1532,
0.0617

■ 92.6814, 0.3306,
0.3627

■ 97.7372, 0.3358,
0.3671

Harmonies

Analogous

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



23.1366, 0.1795, 0.1902



23.1366, 0.2372, 0.1938



23.1366, 0.3261, 0.2229

Triad

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



23.1366, 0.2372, 0.1938



23.1366, 0.4970, 0.4018



23.1366, 0.2021, 0.3853

Complementary

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



23.1366, 0.2372, 0.1938



63.5771, 0.3702, 0.4409

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.



23.1366, 0.2771, 0.4825



23.1366, 0.2372, 0.1938



23.1366, 0.4474, 0.4676

Square

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



23.1366, 0.2372, 0.1938



23.1366, 0.4923, 0.3347



23.1366, 0.3668, 0.5087



23.1366, 0.1607, 0.2820

Rectangle

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



23.1366, 0.2372, 0.1938



23.1366, 0.3936, 0.2543



23.1366, 0.3668, 0.5087



23.1366, 0.2240, 0.4221

Sweetspot

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



23.1374, 0.2372, 0.1938



75.4407, 0.2942, 0.2948



53.2796, 0.2509, 0.3160



15.3475, 0.2907, 0.2884



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.



23.1374, 0.2372, 0.1938



25.6824, 0.2188, 0.1625



27.8064, 0.2799, 0.2082



12.0701, 0.2997, 0.3050



3.0617, 0.1538, 0.0621



0.2062, 0.1643, 0.0679

Inverse Universe

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



32.4838, 0.3278, 0.2306



41.0008, 0.3315, 0.2130



57.7699, 0.3327, 0.4564



12.6093, 0.3154, 0.3084



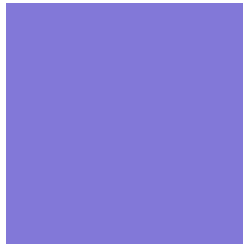
10.9412, 0.3489, 0.1696



0.6665, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 23.1366, 0.2372, 0.1938 looks on a white background.

Color Contrast Check

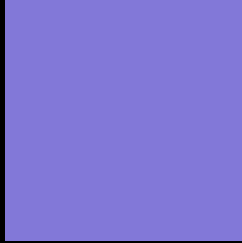
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1366, 0.2372, 0.1938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

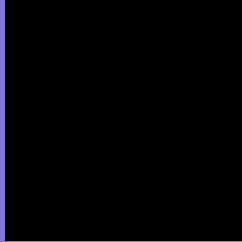
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1366, 0.2372, 0.1938

Background



This preview shows how black text looks on a background with the Yxy color 23.1366, 0.2372, 0.1938.



This preview shows how white text looks on a background with the Yxy color 23.1366, 0.2372, 0.1938.

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

23.1366, 0.2372, 0.1938

Protanopia

23.3065, 0.2090, 0.1901

Deuteranopia

23.1914, 0.2111, 0.2047



Tritanopia

23.1944, 0.2790, 0.3110

Trichromacy



Original Color

23.1366, 0.2372, 0.1938

Protanomaly

23.1454, 0.2177, 0.1913

Deuteranomaly

23.0601, 0.2193, 0.2005

Tritanomaly

22.8275, 0.2622, 0.2609

Monochromacy



Original Color

23.1366, 0.2372, 0.1938

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.3674, 0.2818, 0.2719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1366, 0.2372, 0.1938 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(130, 120, 216)` looks like.

```
.text, #text, p{  
    color:rgb(130, 120, 216)  
}
```

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(130, 120, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 120, 216) }
```

Border

The CSS property to change the border of an element to Yxy 23.1366, 0.2372, 0.1938 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(130, 120, 216) }
```

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

```
.border{ border-color:rgb(130, 120, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 120, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 120, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 120, 216); box-shadow:4px 4px 4px 4px rgb(130, 120, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1366, 0.2372, 0.1938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 120, 216) }
```

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

```
.background{ background-color: rgb(130,  
120, 216) }
```

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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