

Converting Colors

$Yxy(16.3063, 0.2234, 0.2397)$

Have a look what the booklet for
Yxy(16.3063, 0.2234, 0.2397)
contains.

Yxy(16.3646, 0.2234, 0.2402)	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(16.3646, 0.2234, 0.2402)

Conversions

Conversions Part 1

Format	Color
Hex	4574A2
RGB	69, 116, 162
RGB Percent	27%, 45%, 64%
CMY	0.7295, 0.5451, 0.3647
CMYK	0.57, 0.28, 0.00, 0.36
HSL	210°, 40%, 45%
HSV	210°, 57%, 64%
XYZ	15.2200, 16.3646, 36.5444
YIQ	107.1910, -42.7780, 4.3420

Conversions

Conversions Part 2

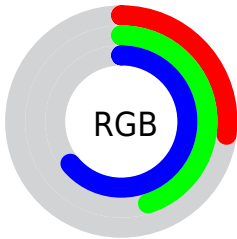
Format	Color
R _Y B	69, 100, 162
Decimal	4551842
CIE Lab	47.45, -1.97, -29.59
CIE LCh	47, 29.660, 266.188
Yxy	16.3646, 0.2234, 0.2402
Android (android.graphics.Color)	4282741922 (0xFF4574A2)
YUV	107.1910, 27.0208, -33.4935
Hunter-Lab	40.4532, -3.6346, -25.2439

Details

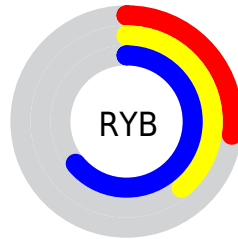
The Yxy color **16.3646, 0.2234, 0.2402** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.3672, 0.4346, 0.4004**, and the grayscale version is **14.6895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3001, 0.2434, 0.2606**, and **5.2600, 0.1903, 0.2051** is the 20% darker color. If you saturate the color by 10%, you get **14.0837, 0.2097, 0.2213**, and if you desaturate by 10%, it is **18.9677, 0.2384, 0.2585**.

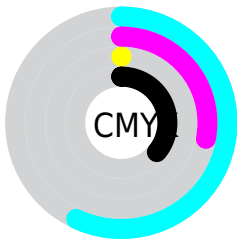
Distribution



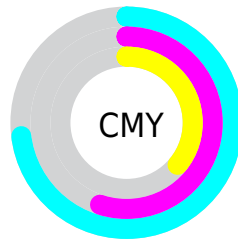
- Red (27%)
- Green (45%)
- Blue (64%)



- Red (27%)
- Yellow (39%)
- Blue (64%)



- Cyan (57%)
- Magenta (28%)
- Yellow (0%)
- Black (36%)



- Cyan (73%)
- Magenta (55%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3646, 0.2234, 0.2402 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 16.3646, 0.2234, 0.2402 by changing the saturation by 10% instead.

■ 16.3646, 0.2234,
0.2402

■ 16.3646, 0.2234,
0.2402

■ 231.4836, 0.2739,
0.2908

■ 9.7825, 0.2088,
0.2254

■ 37.2300, 0.2433,
0.2602

■ 5.2550, 0.1888,
0.2050

■ 52.2821, 0.2503,
0.2672

■ 2.3976, 0.1604,
0.1759

■ 70.9264, 0.2560,
0.2730

■ 0.8247, 0.1180,
0.1323

■ 93.5472, 0.2608,
0.2777

■ 0.0000, 0.0000,
0.0000

■ 120.5289, 0.2648,
0.2818

152.2560, 0.2683,

0.2852

189.1128, 0.2713,
0.2882

■ 16.3646, 0.2234,
0.2402

■ 16.3646, 0.2234,
0.2402

■ 14.0837, 0.2097,
0.2213

■ 18.9677, 0.2384,
0.2585

■ 12.1057, 0.1976,
0.2023

■ 21.9070, 0.2541,
0.2757

■ 10.4114, 0.1877,
0.1836

■ 25.1978, 0.2701,
0.2918

■ 8.9708, 0.1800,
0.1658

■ 28.8537, 0.2860,
0.3066

■ 8.6294, 0.1781,
0.1613

■ 32.8874, 0.3015,
0.3200

■ 37.3109, 0.3165,
0.3320

■ 42.1357, 0.3307,
0.3426

■ 47.3728, 0.3441,
0.3520

■ 53.0326, 0.3566,
0.3603

Harmonies

Analogous

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



16.3646, 0.2080, 0.2638



16.3646, 0.2234, 0.2402



16.3646, 0.2612, 0.2389

Triad

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



16.3646, 0.2234, 0.2402



16.3646, 0.4188, 0.3335



16.3646, 0.3005, 0.4197

Complementary

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



16.3646, 0.2234, 0.2402



20.3672, 0.4346, 0.4004

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.



16.3646, 0.3579, 0.4363



16.3646, 0.2234, 0.2402



16.3646, 0.4293, 0.3789

Square

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



16.3646, 0.2234, 0.2402



16.3646, 0.3758, 0.2905



16.3646, 0.4057, 0.4177



16.3646, 0.2492, 0.3697

Rectangle

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



16.3646, 0.2234, 0.2402



16.3646, 0.2967, 0.2490



16.3646, 0.4057, 0.4177



16.3646, 0.3197, 0.4296

Sweetspot

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



16.3652, 0.2234, 0.2402



52.4485, 0.2862, 0.3068



28.3225, 0.2742, 0.4219



11.4858, 0.2832, 0.3041



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



16.3652, 0.2234, 0.2402



24.4739, 0.2060, 0.2159



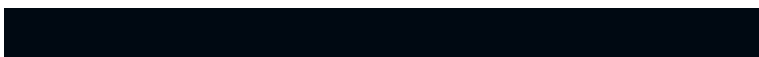
8.3183, 0.2046, 0.1520



7.4240, 0.2987, 0.3176



6.8838, 0.1786, 0.1628



0.2391, 0.1968, 0.2285

Inverse Universe

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



13.1959, 0.3927, 0.2568



19.6733, 0.4211, 0.2460



33.4139, 0.3943, 0.4602



7.1429, 0.3209, 0.3177



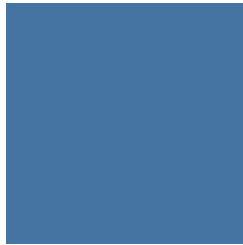
6.5390, 0.4896, 0.2471



0.1469, 0.4142, 0.2055

Previews

White Background



This preview shows how the Yxy color 16.3646, 0.2234, 0.2402 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 16.3646, 0.2234, 0.2402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

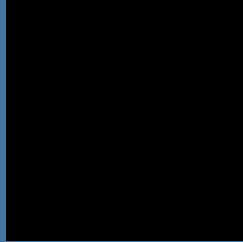
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

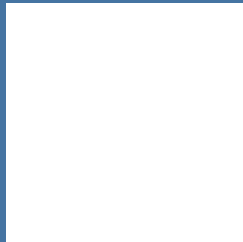
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.3646, 0.2234, 0.2402

Background



This preview shows how black text looks on a background with the Yxy color 16.3646, 0.2234, 0.2402.

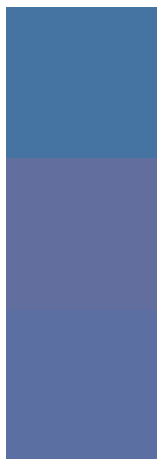


This preview shows how white text looks on a background with the Yxy color 16.3646, 0.2234, 0.2402.

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

16.3646, 0.2234, 0.2402

Protanopia

16.2172, 0.2483, 0.2399

Deuteranopia

16.2374, 0.2381, 0.2328



Tritanopia

16.4549, 0.2390, 0.3070

Trichromacy



Original Color

16.3646, 0.2234, 0.2402

Protanomaly

16.1178, 0.2379, 0.2400

Deuteranomaly

16.2936, 0.2320, 0.2350

Tritanomaly

16.4082, 0.2327, 0.2808

Monochromacy



Original Color

16.3646, 0.2234, 0.2402

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.0113, 0.2720, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3646, 0.2234, 0.2402 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(69, 116, 162)` looks like.

```
.text, #text, p{  
    color:rgb(69, 116, 162)  
}
```

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(69, 116, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 116, 162) }
```

Border

The CSS property to change the border of an element to Yxy 16.3646, 0.2234, 0.2402 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(69, 116, 162) }
```

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

```
.border{ border-color:rgb(69, 116, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 116, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 116, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 116, 162);  
box-shadow:4px 4px 4px 4px rgb(69, 116,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3646, 0.2234, 0.2402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 116, 162) }
```

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

```
.background{ background-color: rgb(69, 116,  
162) }
```

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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