

Converting Colors

$Y_{xy}(14.7993, 0.2235, 0.2095)$

Have a look what the booklet for
Yxy(14.7993, 0.2235, 0.2095)
contains.

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Color

Yxy(14.7993, 0.2235, 0.2095)

Conversions

Conversions Part 1

Format	Color
Hex	5269AA
RGB	82, 105, 170
RGB Percent	32%, 41%, 67%
CMY	0.6783, 0.5882, 0.3333
CMYK	0.52, 0.38, 0.00, 0.33
HSL	224°, 35%, 49%
HSV	224°, 52%, 67%
XYZ	15.7883, 14.7993, 40.0535
YIQ	105.5330, -34.5730, 15.3390

Conversions

Conversions Part 2

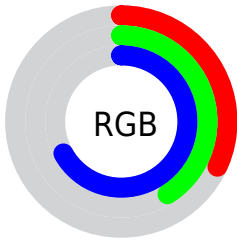
Format	Color
R _Y B	82, 100, 170
Decimal	5401002
CIE Lab	45.36, 10.38, -37.51
CIE LCh	45, 38.923, 285.466
Yxy	14.7993, 0.2235, 0.2095
Android (android.graphics.Color)	4283591082 (0xFF5269AA)
YUV	105.5330, 31.7822, -20.6384
Hunter-Lab	38.4699, 5.9353, -34.8018

Details

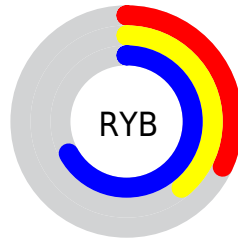
The Yxy color **14.7993, 0.2235, 0.2095** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.0317, 0.4028, 0.4239**, and the grayscale version is **14.1994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5022, 0.2433, 0.2347**, and **4.4810, 0.1875, 0.1662** is the 20% darker color. If you saturate the color by 10%, you get **11.7570, 0.2057, 0.1818**, and if you desaturate by 10%, it is **18.4094, 0.2419, 0.2365**.

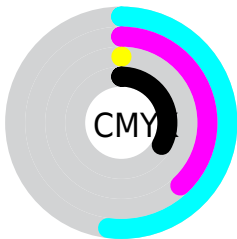
Distribution



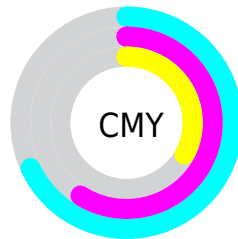
- Red (32%)
- Green (41%)
- Blue (67%)



- Red (32%)
- Yellow (39%)
- Blue (67%)



- Cyan (52%)
- Magenta (38%)
- Yellow (0%)
- Black (33%)



- Cyan (68%)
- Magenta (59%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.7993, 0.2235, 0.2095 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 14.7993, 0.2235, 0.2095 by changing the saturation by 10% instead.

■ 14.7993, 0.2235,
0.2095

■ 14.7993, 0.2235,
0.2095

■ 222.1482, 0.2749,
0.2758

■ 8.6787, 0.2084,
0.1911

■ 34.5007, 0.2438,
0.2351

■ 4.5322, 0.1878,
0.1668

■ 48.8503, 0.2510,
0.2442

■ 1.9755, 0.1587,
0.1337

■ 66.7116, 0.2568,
0.2518

■ 0.5932, 0.1167,
0.0847

■ 88.4690, 0.2617,
0.2582

■ 0.0000, 0.0000,
0.0000

■ 114.5070, 0.2657,
0.2636

145.2099, 0.2692,

0.2682

180.9622, 0.2722,
0.2723

■ 14.7993, 0.2235,
0.2095

■ 14.7993, 0.2235,
0.2095

■ 11.7570, 0.2057,
0.1818

■ 18.4094, 0.2419,
0.2365

■ 9.2503, 0.1895,
0.1547

■ 22.6140, 0.2603,
0.2621

■ 7.2457, 0.1758,
0.1294

■ 27.4400, 0.2780,
0.2856

■ 5.7048, 0.1654,
0.1073

■ 32.9118, 0.2947,
0.3069

■ 4.7326, 0.1589,
0.0920

■ 39.0529, 0.3101,
0.3259

■ 45.8852, 0.3243,
0.3427

■ 53.4298, 0.3371,
0.3573

■ 61.7068, 0.3487,
0.3702

■ 70.7356, 0.3590,
0.3813

Harmonies

Analogous

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



14.7993, 0.1860, 0.2191



14.7993, 0.2235, 0.2095



14.7993, 0.2881, 0.2247

Triad

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



14.7993, 0.2235, 0.2095



14.7993, 0.4703, 0.3685



14.7993, 0.2483, 0.4143

Complementary

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



14.7993, 0.2235, 0.2095



30.0317, 0.4028, 0.4239

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.



14.7993, 0.3206, 0.4703



14.7993, 0.2235, 0.2095



14.7993, 0.4509, 0.4255

Square

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



14.7993, 0.2235, 0.2095



14.7993, 0.4403, 0.3112



14.7993, 0.3947, 0.4683



14.7993, 0.1974, 0.3287

Rectangle

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



14.7993, 0.2235, 0.2095



14.7993, 0.3418, 0.2467



14.7993, 0.3947, 0.4683



14.7993, 0.2709, 0.4387

Sweetspot

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



14.7998, 0.2235, 0.2095



55.0590, 0.2873, 0.2975



32.6360, 0.2617, 0.3699



11.8402, 0.2839, 0.2933



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



14.7998, 0.2235, 0.2095



20.6501, 0.2034, 0.1780



11.7981, 0.2358, 0.1759



7.6073, 0.2986, 0.3118



3.5610, 0.1594, 0.0938



0.1676, 0.1773, 0.1583

Inverse Universe

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



15.6044, 0.4182, 0.2946



23.2551, 0.4566, 0.2895



35.7924, 0.3658, 0.4614



7.5733, 0.3246, 0.3231



6.4305, 0.5853, 0.2998



0.1646, 0.4952, 0.2502

Previews

White Background



This preview shows how the Yxy color 14.7993, 0.2235, 0.2095 looks on a white background.

Color Contrast Check

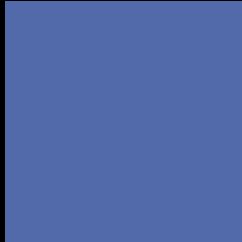
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7993, 0.2235, 0.2095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

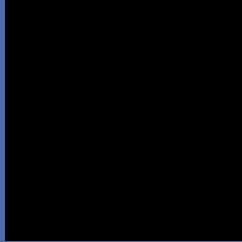
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

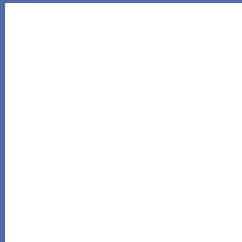
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.7993, 0.2235, 0.2095

Background



This preview shows how black text looks on a background with the Yxy color 14.7993, 0.2235, 0.2095.



This preview shows how white text looks on a background with the Yxy color 14.7993, 0.2235, 0.2095.

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

14.7993, 0.2235, 0.2095

Protanopia

14.7993, 0.2235, 0.2095

Deuteranopia

14.7954, 0.2167, 0.2112



Tritanopia

14.9100, 0.2502, 0.3087

Trichromacy



Original Color

14.7993, 0.2235, 0.2095

Protanomaly

14.7993, 0.2235, 0.2095

Deuteranomaly

14.7468, 0.2192, 0.2101

Tritanomaly

14.6697, 0.2386, 0.2659

Monochromacy



Original Color

14.7993, 0.2235, 0.2095

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.4344, 0.2738, 0.2814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7993, 0.2235, 0.2095 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(82, 105, 170)` looks like.

```
.text, #text, p{  
    color:rgb(82, 105, 170)  
}
```

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(82, 105, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 105, 170) }
```

Border

The CSS property to change the border of an element to Yxy 14.7993, 0.2235, 0.2095 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(82, 105, 170) }
```

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

```
.border{ border-color:rgb(82, 105, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 105, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 105, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 105, 170);  
box-shadow:4px 4px 4px 4px rgb(82, 105,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7993, 0.2235, 0.2095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 105, 170) }
```

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

```
.background{ background-color: rgb(82, 105,  
170) }
```

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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