

Converting Colors

$Y_{xy}(14.9592, 0.2484, 0.2225)$

Have a look what the booklet for
Yxy(14.9592, 0.2484, 0.2225)
contains.

Yxy(14.9007, 0.2477, 0.2215)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.9007, 0.2477, 0.2215)

Conversions

Conversions Part 1

Format	Color
Hex	6666A1
RGB	102, 102, 161
RGB Percent	40%, 40%, 63%
CMY	0.6000, 0.6000, 0.3687
CMYK	0.37, 0.37, 0.00, 0.37
HSL	240°, 24%, 52%
HSV	240°, 37%, 63%
XYZ	16.6632, 14.9007, 35.7079
YIQ	108.7260, -18.9390, 18.3490

Conversions

Conversions Part 2

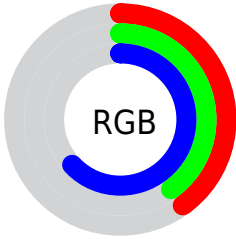
Format	Color
R _Y B	102, 102, 161
Decimal	6710945
CIE Lab	45.50, 14.76, -31.89
CIE LCh	45, 35.142, 294.841
Yxy	14.9007, 0.2477, 0.2215
Android (android.graphics.Color)	4284901025 (0xFF6666A1)
YUV	108.7260, 25.7711, -5.8987
Hunter-Lab	38.6014, 9.5013, -27.8246

Details

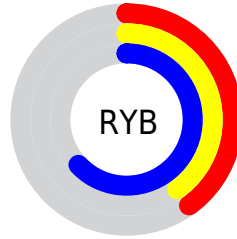
The Yxy color **14.9007, 0.2477, 0.2215** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.0176, 0.3664, 0.4178**, and the grayscale version is **15.1417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7089, 0.2632, 0.2449**, and **4.5403, 0.2189, 0.1810** is the 20% darker color. If you saturate the color by 10%, you get **11.1873, 0.2267, 0.1867**, and if you desaturate by 10%, it is **19.4123, 0.2678, 0.2547**.

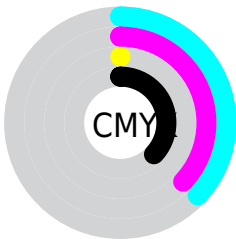
Distribution



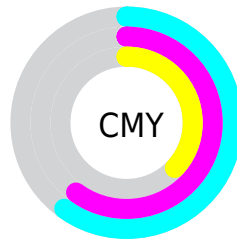
- Red (40%)
- Green (40%)
- Blue (63%)



- Red (40%)
- Yellow (40%)
- Blue (63%)



- Cyan (37%)
- Magenta (37%)
- Yellow (0%)
- Black (37%)



- Cyan (60%)
- Magenta (60%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.9007, 0.2477, 0.2215 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 14.9007, 0.2477, 0.2215 by changing the saturation by 10% instead.

■ 14.9007, 0.2477,
0.2215

■ 14.9007, 0.2477,
0.2215

■ 222.7644, 0.2859,
0.2813

■ 8.7497, 0.2359,
0.2046

■ 34.6789, 0.2632,
0.2447

■ 4.5783, 0.2194,
0.1820

■ 49.0749, 0.2685,
0.2530

■ 2.0020, 0.1948,
0.1504

■ 66.9880, 0.2728,
0.2598

■ 0.6087, 0.1568,
0.1012

■ 88.8027, 0.2763,
0.2655

■ 0.0000, 0.0000,
0.0000

■ 114.9032, 0.2793,
0.2704

■ 145.6741, 0.2819,

0.2745

181.4997, 0.2840,
0.2781

■ 14.9007, 0.2477,
0.2215

■ 14.9007, 0.2477,
0.2215

■ 11.1873, 0.2267,
0.1867

■ 19.4123, 0.2678,
0.2547

■ 8.2240, 0.2057,
0.1521

■ 24.7630, 0.2863,
0.2853

■ 5.9604, 0.1864,
0.1202

■ 30.9929, 0.3028,
0.3127

■ 4.3390, 0.1703,
0.0936

■ 38.1390, 0.3174,
0.3367

■ 3.2932, 0.1587,
0.0743

■ 46.2364, 0.3300,
0.3576

■ 2.7252, 0.1519,
0.0631

■ 55.3180, 0.3409,
0.3756

■ 2.5727, 0.1500,
0.0600

■ 65.4155, 0.3503,
0.3911

■ 76.5589, 0.3583,
0.4044

■ 88.7771, 0.3652,
0.4158

Harmonies

Analogous

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



14.9007, 0.2047, 0.2233



14.9007, 0.2477, 0.2215



14.9007, 0.3131, 0.2420

Triad

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



14.9007, 0.2477, 0.2215



14.9007, 0.4546, 0.3836



14.9007, 0.2376, 0.3823

Complementary

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



14.9007, 0.2477, 0.2215



34.0176, 0.3664, 0.4178

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.



14.9007, 0.2994, 0.4443



14.9007, 0.2477, 0.2215



14.9007, 0.4259, 0.4325

Square

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



14.9007, 0.2477, 0.2215



14.9007, 0.4409, 0.3299



14.9007, 0.3684, 0.4603



14.9007, 0.1987, 0.3070

Rectangle

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



14.9007, 0.2477, 0.2215



14.9007, 0.3627, 0.2659



14.9007, 0.3684, 0.4603



14.9007, 0.2562, 0.4065

Sweetspot

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



14.9013, 0.2477, 0.2215



50.2198, 0.2955, 0.3006



30.8813, 0.2625, 0.3289



10.7079, 0.2935, 0.2971



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



14.9013, 0.2477, 0.2215



21.1427, 0.2305, 0.1930



16.9406, 0.2807, 0.2306



6.8600, 0.2987, 0.3058



2.0553, 0.1500, 0.0600



0.0432, 0.1500, 0.0600

Inverse Universe

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



19.6509, 0.3169, 0.2406



30.9227, 0.3177, 0.2222



31.3078, 0.3357, 0.4277



7.2022, 0.3138, 0.3068



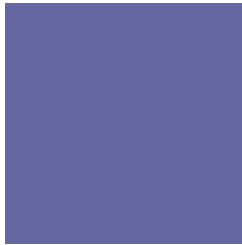
8.1062, 0.3209, 0.1542



0.1703, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 14.9007, 0.2477, 0.2215 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 14.9007, 0.2477, 0.2215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

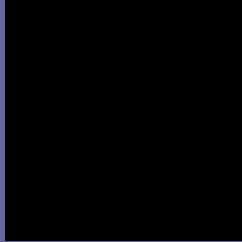
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9007, 0.2477, 0.2215

Background



This preview shows how black text looks on a background with the Yxy color 14.9007, 0.2477, 0.2215.

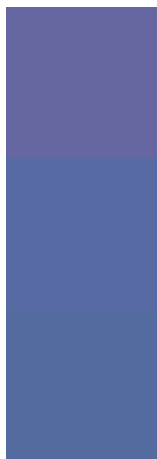


This preview shows how white text looks on a background with the Yxy color 14.9007, 0.2477, 0.2215.

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

14.9007, 0.2477, 0.2215

Protanopia

15.0146, 0.2322, 0.2208

Deuteranopia

14.9383, 0.2328, 0.2279



Tritanopia

14.9761, 0.2795, 0.3117

Trichromacy



Original Color

14.9007, 0.2477, 0.2215

Protanomaly

15.0228, 0.2371, 0.2216

Deuteranomaly

14.8654, 0.2385, 0.2257

Tritanomaly

14.9332, 0.2678, 0.2761

Monochromacy



Original Color

14.9007, 0.2477, 0.2215

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.9308, 0.2859, 0.2847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9007, 0.2477, 0.2215 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(102, 102, 161)` looks like.

```
.text, #text, p{  
    color:rgb(102, 102, 161)  
}
```

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(102, 102, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 102, 161) }
```

Border

The CSS property to change the border of an element to Yxy 14.9007, 0.2477, 0.2215 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(102, 102, 161) }
```

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

```
.border{ border-color:rgb(102, 102, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 102, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 102, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 102, 161);  
box-shadow:4px 4px 4px 4px rgb(102, 102,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9007, 0.2477, 0.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 102, 161) }
```

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

```
.background{ background-color: rgb(102,  
102, 161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor