

Converting Colors

$Y_{xy}(14.5695, 0.2125, 0.2471)$

Have a look what the booklet for
Yxy(14.5695, 0.2125, 0.2471)
contains.

Yxy(14.5695, 0.2125, 0.2471)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.5695, 0.2125, 0.2471)

Conversions

Conversions Part 1

Format	Color
Hex	2A7198
RGB	42, 113, 152
RGB Percent	16%, 44%, 60%
CMY	0.8351, 0.5569, 0.4039
CMYK	0.72, 0.26, 0.00, 0.40
HSL	201°, 57%, 38%
HSV	201°, 72%, 60%
XYZ	12.5294, 14.5695, 31.8630
YIQ	96.2170, -54.8350, -2.9230

Conversions

Conversions Part 2

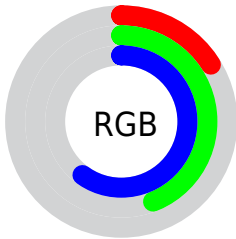
Format	Color
R_{YB}	42, 85, 152
Decimal	2781592
CIE _{Lab}	45.04, -8.63, -27.54
CIE _{LCh}	45, 28.863, 252.603
Yxy	14.5695, 0.2125, 0.2471
Android (android.graphics.Color)	4280971672 (0xFF2A7198)
YUV	96.2170, 27.5010, -47.5483
Hunter-Lab	38.1700, -8.2044, -22.7743

Details

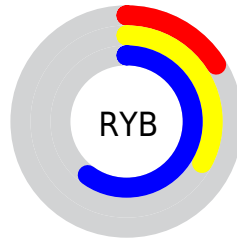
The Yxy color **14.5695, 0.2125, 0.2471** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.7381, 0.4967, 0.3878**, and the grayscale version is **11.6977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1913, 0.2356, 0.2678**, and **4.7202, 0.1931, 0.2150** is the 20% darker color. If you saturate the color by 10%, you get **13.1398, 0.2034, 0.2337**, and if you desaturate by 10%, it is **16.1933, 0.2234, 0.2604**.

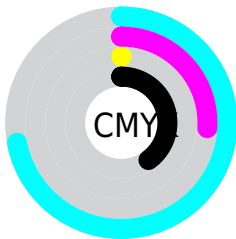
Distribution



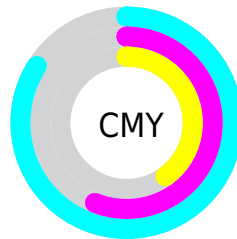
- Red (16%)
- Green (44%)
- Blue (60%)



- Red (16%)
- Yellow (33%)
- Blue (60%)



- Cyan (72%)
- Magenta (26%)
- Yellow (0%)
- Black (40%)



- Cyan (84%)
- Magenta (56%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.5695, 0.2125, 0.2471 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 14.5695, 0.2125, 0.2471 by changing the saturation by 10% instead.

14.5695, 0.2125,
0.2471

14.5695, 0.2125,
0.2471

220.7455, 0.2697,
0.2954

8.5178, 0.1957,
0.2322

34.0962, 0.2351,
0.2667

4.4280, 0.1727,
0.2111

48.3399, 0.2431,
0.2734

1.9158, 0.1399,
0.1798

66.0832, 0.2496,
0.2788

0.5578, 0.0724,
0.1264

87.7103, 0.2550,
0.2833

0.0000, 0.0000,
0.0000

113.6057, 0.2595,
0.2871

144.1538, 0.2634,

0.2903

179.7389, 0.2668,
0.2930

■ 14.5695, 0.2125,
0.2471

■ 14.5695, 0.2125,
0.2471

■ 13.1398, 0.2034,
0.2337

■ 16.1933, 0.2234,
0.2604

■ 11.8870, 0.1963,
0.2204

■ 18.0234, 0.2359,
0.2733

■ 11.0176, 0.1918,
0.2104

■ 20.0720, 0.2495,
0.2857

■ 22.3503, 0.2640,
0.2973

■ 24.8680, 0.2790,
0.3081

■ 27.6345, 0.2942,
0.3180

■ 30.6586, 0.3092,
0.3270

■ 33.9484, 0.3240,
0.3351

■ 37.5118, 0.3383,
0.3423

Harmonies

Analogous

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



14.5695, 0.2078, 0.2814



14.5695, 0.2125, 0.2471



14.5695, 0.2407, 0.2359

Triad

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



14.5695, 0.2125, 0.2471



14.5695, 0.4037, 0.3130



14.5695, 0.3268, 0.4333

Complementary

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



14.5695, 0.2125, 0.2471



12.7381, 0.4967, 0.3878

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.



14.5695, 0.3824, 0.4326



14.5695, 0.2125, 0.2471



14.5695, 0.4304, 0.3587

Square

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



14.5695, 0.2125, 0.2471



14.5695, 0.3500, 0.2732



14.5695, 0.4213, 0.4024



14.5695, 0.2702, 0.3961

Rectangle

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



14.5695, 0.2125, 0.2471



14.5695, 0.2714, 0.2404



14.5695, 0.4213, 0.4024



14.5695, 0.3462, 0.4373

Sweetspot

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



14.5700, 0.2125, 0.2471



43.8461, 0.2789, 0.3080



23.5411, 0.2803, 0.4833



9.7082, 0.2752, 0.3054



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



14.5700, 0.2125, 0.2471



21.7505, 0.1987, 0.2253



5.8414, 0.1838, 0.1315



6.6575, 0.2989, 0.3209



9.2960, 0.1920, 0.2113



0.2070, 0.2079, 0.2684

Inverse Universe

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



9.5279, 0.3910, 0.2223



14.2709, 0.4162, 0.2149



24.3170, 0.4239, 0.4663



6.2864, 0.3188, 0.3147



6.3437, 0.4327, 0.2157



0.1017, 0.3743, 0.1836

Previews

White Background



This preview shows how the Yxy color 14.5695, 0.2125, 0.2471 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 14.5695, 0.2125, 0.2471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

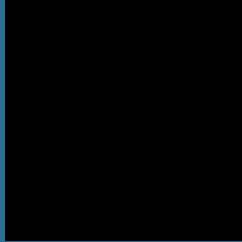
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.5695, 0.2125, 0.2471

Background



This preview shows how black text looks on a background with the Yxy color 14.5695, 0.2125, 0.2471.

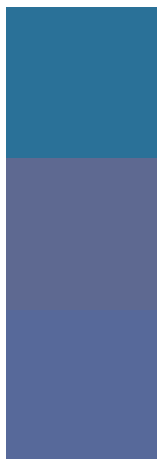


This preview shows how white text looks on a background with the Yxy color 14.5695, 0.2125, 0.2471.

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

14.5695, 0.2125, 0.2471

Protanopia

14.5272, 0.2543, 0.2500

Deuteranopia

14.4625, 0.2395, 0.2338



Tritanopia

14.6379, 0.2227, 0.3076

Trichromacy



Original Color

14.5695, 0.2125, 0.2471

Protanomaly

14.3591, 0.2345, 0.2474

Deuteranomaly

14.3646, 0.2275, 0.2384

Tritanomaly

14.5152, 0.2182, 0.2836

Monochromacy



Original Color

14.5695, 0.2125, 0.2471

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.3002, 0.2622, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5695, 0.2125, 0.2471 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(42, 113, 152)` looks like.

```
.text, #text, p{  
  color:rgb(42, 113, 152)  
}
```

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(42, 113, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 113, 152) }
```

Border

The CSS property to change the border of an element to Yxy 14.5695, 0.2125, 0.2471 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(42, 113, 152) }
```

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

```
.border{ border-color:rgb(42, 113, 152) }
```

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

Here you see how a box with a 4 pixel rgb(42, 113, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 113, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 113, 152);  
box-shadow:4px 4px 4px 4px rgb(42, 113,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5695, 0.2125, 0.2471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 113, 152) }
```

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

```
.background{ background-color: rgb(42, 113,  
152) }
```

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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