

Converting Colors

$Y_{xy}(14.5037, 0.2118, 0.2376)$

Have a look what the booklet for
Yxy(14.5037, 0.2118, 0.2376)
contains.

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Color

Yxy(14.5930, 0.2121, 0.2387)

Conversions

Conversions Part 1

Format	Color
Hex	2F709C
RGB	47, 112, 156
RGB Percent	18%, 44%, 61%
CMY	0.8155, 0.5608, 0.3883
CMYK	0.70, 0.28, 0.00, 0.39
HSL	204°, 54%, 40%
HSV	204°, 70%, 61%
XYZ	12.9668, 14.5930, 33.5755
YIQ	97.5810, -52.8640, -0.0960

Conversions

Conversions Part 2

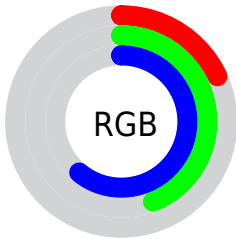
Format	Color
RYB	47, 88, 156
Decimal	3109020
CIELab	45.07, -5.84, -29.82
CIElCh	45, 30.391, 258.913
Yxy	14.5930, 0.2121, 0.2387
Android (android.graphics.Color)	4281299100 (0xFF2F709C)
YUV	97.5810, 28.8006, -44.3595
Hunter-Lab	38.2008, -6.2617, -25.3707

Details

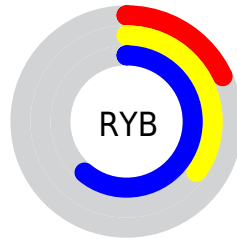
The Yxy color **14.5930, 0.2121, 0.2387** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **14.7562, 0.4814, 0.3955**, and the grayscale version is **12.0446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3182, 0.2348, 0.2602**, and **4.6663, 0.1903, 0.2050** is the 20% darker color. If you saturate the color by 10%, you get **12.9451, 0.2018, 0.2233**, and if you desaturate by 10%, it is **16.4716, 0.2241, 0.2539**.

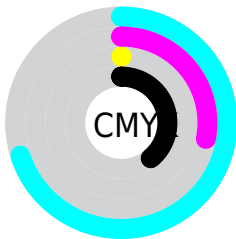
Distribution



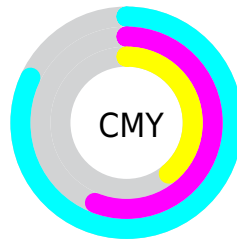
- Red (18%)
- Green (44%)
- Blue (61%)



- Red (18%)
- Yellow (35%)
- Blue (61%)



- Cyan (70%)
- Magenta (28%)
- Yellow (0%)
- Black (39%)



- Cyan (82%)
- Magenta (56%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.5930, 0.2121, 0.2387 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 14.5930, 0.2121, 0.2387 by changing the saturation by 10% instead.

■ 14.5930, 0.2121,
0.2387

■ 14.5930, 0.2121,
0.2387

■ 220.8894, 0.2695,
0.2913

■ 8.5342, 0.1953,
0.2228

■ 34.1376, 0.2348,
0.2598

■ 4.4387, 0.1724,
0.2006

■ 48.3922, 0.2427,
0.2672

■ 1.9218, 0.1400,
0.1684

■ 66.1476, 0.2493,
0.2731

■ 0.5615, 0.0799,
0.1148

■ 87.7881, 0.2547,
0.2780

■ 0.0000, 0.0000,
0.0000

■ 113.6981, 0.2593,
0.2821

■ 144.2621, 0.2632,

0.2857

179.8643, 0.2666,
0.2887

■ 14.5930, 0.2121,
0.2387

■ 14.5930, 0.2121,
0.2387

■ 12.9451, 0.2018,
0.2233

■ 16.4716, 0.2241,
0.2539

■ 11.5096, 0.1936,
0.2081

■ 18.5940, 0.2376,
0.2687

■ 10.2495, 0.1870,
0.1931

■ 20.9738, 0.2521,
0.2827

■ 10.2304, 0.1869,
0.1929

■ 23.6229, 0.2672,
0.2959

■ 26.5523, 0.2826,
0.3081

■ 29.7723, 0.2979,
0.3191

■ 33.2927, 0.3130,
0.3292

■ 37.1226, 0.3275,
0.3381

■ 41.2708, 0.3415,
0.3461

Harmonies

Analogous

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



14.5930, 0.2019, 0.2692



14.5930, 0.2121, 0.2387



14.5930, 0.2464, 0.2321

Triad

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



14.5930, 0.2121, 0.2387



14.5930, 0.4173, 0.3217



14.5930, 0.3141, 0.4343

Complementary

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



14.5930, 0.2121, 0.2387



14.7562, 0.4814, 0.3955

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.



14.5930, 0.3741, 0.4413



14.5930, 0.2121, 0.2387



14.5930, 0.4375, 0.3697

Square

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



14.5930, 0.2121, 0.2387



14.5930, 0.3651, 0.2784



14.5930, 0.4202, 0.4139



14.5930, 0.2568, 0.3876

Rectangle

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



14.5930, 0.2121, 0.2387



14.5930, 0.2811, 0.2397



14.5930, 0.4202, 0.4139



14.5930, 0.3347, 0.4413

Sweetspot

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



14.5935, 0.2121, 0.2387



47.3695, 0.2802, 0.3062



25.1234, 0.2769, 0.4659



10.1198, 0.2762, 0.3032



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



14.5935, 0.2121, 0.2387



21.9562, 0.1968, 0.2144



6.0243, 0.1853, 0.1286



7.0598, 0.2988, 0.3198



8.4984, 0.1872, 0.1940



0.2334, 0.2039, 0.2539

Inverse Universe

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



10.2718, 0.3984, 0.2319



15.6496, 0.4272, 0.2244



27.5476, 0.4154, 0.4698



6.7092, 0.3196, 0.3157



6.4801, 0.4522, 0.2265



0.1241, 0.3883, 0.1913

Previews

White Background



This preview shows how the Yxy color 14.5930, 0.2121, 0.2387 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 14.5930, 0.2121, 0.2387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

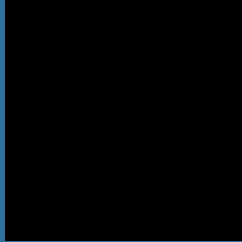
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

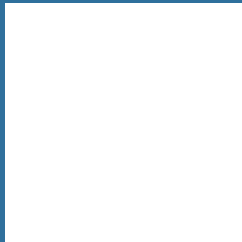
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.5930, 0.2121, 0.2387

Background



This preview shows how black text looks on a background with the Yxy color 14.5930, 0.2121, 0.2387.

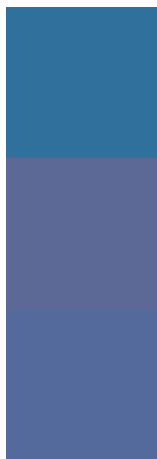


This preview shows how white text looks on a background with the Yxy color 14.5930, 0.2121, 0.2387.

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

14.5930, 0.2121, 0.2387

Protanopia

14.5805, 0.2477, 0.2413

Deuteranopia

14.6272, 0.2347, 0.2305



Tritanopia

14.4616, 0.2236, 0.3053

Trichromacy



Original Color

14.5930, 0.2121, 0.2387

Protanomaly

14.5286, 0.2323, 0.2409

Deuteranomaly

14.4990, 0.2247, 0.2320

Tritanomaly

14.4198, 0.2182, 0.2773

Monochromacy



Original Color

14.5930, 0.2121, 0.2387

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.6947, 0.2628, 0.2925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5930, 0.2121, 0.2387 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(47, 112, 156)` looks like.

```
.text, #text, p{  
  color:rgb(47, 112, 156)  
}
```

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(47, 112, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 112, 156) }
```

Border

The CSS property to change the border of an element to Yxy 14.5930, 0.2121, 0.2387 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(47, 112, 156) }
```

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

```
.border{ border-color:rgb(47, 112, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 112, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 112, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 112, 156);  
box-shadow:4px 4px 4px 4px rgb(47, 112,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5930, 0.2121, 0.2387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 112, 156) }
```

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

```
.background{ background-color: rgb(47, 112,  
156) }
```

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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