

Converting Colors

$Y_{xy}(30.1472, 0.2494, 0.2558)$

Have a look what the booklet for
Yxy(30.1472, 0.2494, 0.2558)
contains.

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Color

Yxy(30.1472, 0.2494, 0.2558)

Conversions

Conversions Part 1

Format	Color
Hex	7B96C7
RGB	123, 150, 199
RGB Percent	48%, 59%, 78%
CMY	0.5174, 0.4118, 0.2195
CMYK	0.38, 0.25, 0.00, 0.22
HSL	219°, 40%, 63%
HSV	219°, 38%, 78%
XYZ	29.3929, 30.1472, 58.3144
YIQ	147.5130, -31.8210, 9.5150

Conversions

Conversions Part 2

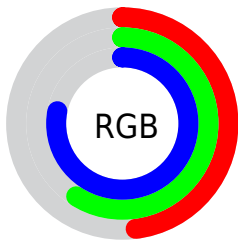
Format	Color
R _Y B	123, 143, 199
Decimal	8099527
CIE Lab	61.78, 2.86, -28.31
CIE LCh	62, 28.457, 275.763
Yxy	30.1472, 0.2494, 0.2558
Android (android.graphics.Color)	4286289607 (0xFF7B96C7)
YUV	147.5130, 25.3831, -21.4979
Hunter-Lab	54.9065, -0.5304, -24.5355

Details

The Yxy color **30.1472, 0.2494, 0.2558** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.1243, 0.3813, 0.3923**, and the grayscale version is **29.3098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8707, 0.2625, 0.2709**, and **12.2701, 0.2288, 0.2320** is the 20% darker color. If you saturate the color by 10%, you get **24.9474, 0.2318, 0.2323**, and if you desaturate by 10%, it is **36.0975, 0.2670, 0.2777**.

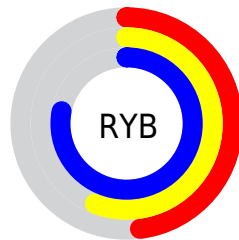
Distribution



Red (48%)

Green (59%)

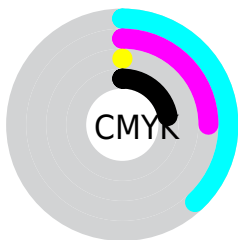
Blue (78%)



Red (48%)

Yellow (56%)

Blue (78%)

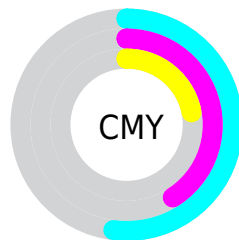


Cyan (38%)

Magenta (25%)

Yellow (0%)

Black (22%)



Cyan (52%)

Magenta (41%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1472, 0.2494, 0.2558 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 30.1472, 0.2494, 0.2558 by changing the saturation by 10% instead.

■ 30.1472, 0.2494,
0.2558

■ 30.1472, 0.2494,
0.2558

■ 302.5900, 0.2827,
0.2939

■ 19.9503, 0.2407,
0.2459

■ 59.8949, 0.2618,
0.2699

■ 12.3590, 0.2293,
0.2331

■ 80.2145, 0.2664,
0.2752

■ 6.9886, 0.2139,
0.2159

■ 104.6772, 0.2702,
0.2795

■ 3.4550, 0.1920,
0.1917

■ 133.6673, 0.2735,
0.2833

■ 1.3736, 0.1592,
0.1561

■ 167.5692, 0.2762,
0.2865

■ 0.1972, 0.0792,
0.0608

■ 206.7674, 0.2787,

■ 0.0000, 0.0000,

0.2893

0.0000

251.6462, 0.2808,
0.2917

■ 30.1472, 0.2494,
0.2558

■ 30.1472, 0.2494,
0.2558

■ 24.9474, 0.2318,
0.2323

■ 36.0975, 0.2670,
0.2777

■ 20.4621, 0.2147,
0.2078

■ 42.8252, 0.2840,
0.2977

■ 16.6568, 0.1989,
0.1829

■ 50.3602, 0.3002,
0.3158

■ 13.4928, 0.1852,
0.1586

■ 58.7296, 0.3154,
0.3318

■ 10.9261, 0.1741,
0.1360

■ 67.9590, 0.3295,
0.3460

■ 8.8976, 0.1659,
0.1160

■ 78.0732, 0.3424,
0.3584

■ 8.5696, 0.1646,
0.1125

■ 87.6672, 0.3490,
0.3700

■ 95.5005, 0.3464,
0.3820

■ 96.9045, 0.3460,
0.3840

Harmonies

Analogous

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



30.1472, 0.2306, 0.2699



30.1472, 0.2494, 0.2558



30.1472, 0.2853, 0.2596

Triad

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



30.1472, 0.2494, 0.2558



30.1472, 0.4013, 0.3457



30.1472, 0.2899, 0.3884

Complementary

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



30.1472, 0.2494, 0.2558



43.1243, 0.3813, 0.3923

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.



30.1472, 0.3353, 0.4109



30.1472, 0.2494, 0.2558



30.1472, 0.4013, 0.3810

Square

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



30.1472, 0.2494, 0.2558



30.1472, 0.3750, 0.3093



30.1472, 0.3764, 0.4064



30.1472, 0.2525, 0.3461

Rectangle

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



30.1472, 0.2494, 0.2558



30.1472, 0.3155, 0.2708



30.1472, 0.3764, 0.4064



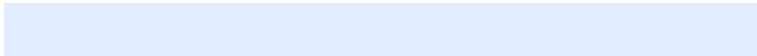
30.1472, 0.3047, 0.3988

Sweetspot

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



30.1484, 0.2494, 0.2558



84.0466, 0.2955, 0.3106



48.0195, 0.2768, 0.3694



17.5955, 0.2933, 0.3081



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



30.1484, 0.2494, 0.2558



44.9428, 0.2344, 0.2359



23.3118, 0.2521, 0.2168



10.8921, 0.2983, 0.3137



5.6600, 0.1653, 0.1150



0.4045, 0.1773, 0.1582

Inverse Universe

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



28.5308, 0.3722, 0.2937



42.6162, 0.3923, 0.2860



53.0934, 0.3606, 0.4258



10.6980, 0.3235, 0.3208



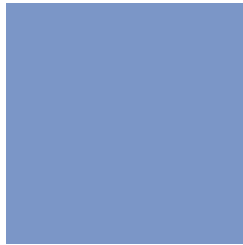
8.1114, 0.5537, 0.2824



0.3979, 0.4954, 0.2503

Previews

White Background



This preview shows how the Yxy color 30.1472, 0.2494, 0.2558 looks on a white background.

Color Contrast Check

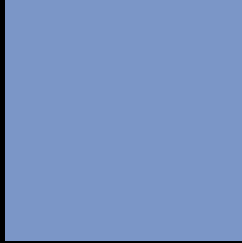
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 30.1472, 0.2494, 0.2558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

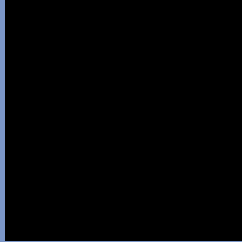
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

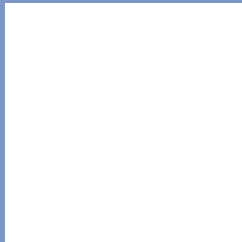
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.1472, 0.2494, 0.2558

Background



This preview shows how black text looks on a background with the Yxy color 30.1472, 0.2494, 0.2558.



This preview shows how white text looks on a background with the Yxy color 30.1472, 0.2494, 0.2558.

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

30.1472, 0.2494, 0.2558

Protanopia

30.0496, 0.2595, 0.2556

Deuteranopia

30.1885, 0.2573, 0.2518



Tritanopia

30.2489, 0.2662, 0.3093

Trichromacy



Original Color

30.1472, 0.2494, 0.2558

Protanomaly

30.0823, 0.2557, 0.2552

Deuteranomaly

30.1752, 0.2544, 0.2527

Tritanomaly

30.2174, 0.2601, 0.2894

Monochromacy



Original Color

30.1472, 0.2494, 0.2558

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.7739, 0.2867, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1472, 0.2494, 0.2558 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(123, 150, 199)` looks like.

```
.text, #text, p{  
    color:rgb(123, 150, 199)  
}
```

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(123, 150, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 150, 199) }
```

Border

The CSS property to change the border of an element to Yxy 30.1472, 0.2494, 0.2558 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(123, 150, 199) }
```

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

```
.border{ border-color:rgb(123, 150, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 150, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 150, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 150, 199);  
box-shadow:4px 4px 4px 4px rgb(123, 150,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1472, 0.2494, 0.2558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 150, 199) }
```

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

```
.background{ background-color: rgb(123,  
150, 199) }
```

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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