

Converting Colors

$Y_{xy}(31.2355, 0.2457, 0.2656)$

Have a look what the booklet for
Yxy(31.2355, 0.2457, 0.2656)
contains.

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Color

Yxy(31.0513, 0.2454, 0.2652)

Conversions

Conversions Part 1

Format	Color
Hex	729BC5
RGB	114, 155, 197
RGB Percent	45%, 61%, 77%
CMY	0.5532, 0.3921, 0.2274
CMYK	0.42, 0.21, 0.00, 0.23
HSL	210°, 42%, 61%
HSV	210°, 42%, 77%
XYZ	28.7330, 31.0513, 57.3021
YIQ	147.5290, -37.9180, 4.3700

Conversions

Conversions Part 2

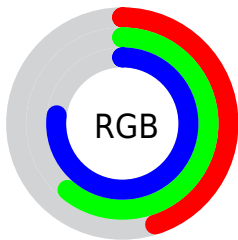
Format	Color
RYB	114, 141, 197
Decimal	7510981
CIELab	62.55, -3.01, -26.04
CIELCh	63, 26.214, 263.405
Yxy	31.0513, 0.2454, 0.2652
Android (android.graphics.Color)	4285701061 (0xFF729BC5)
YUV	147.5290, 24.3892, -29.4049
Hunter-Lab	55.7237, -5.4759, -21.9628

Details

The Yxy color **31.0513, 0.2454, 0.2652** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.8373, 0.3961, 0.3846**, and the grayscale version is **29.3129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1917, 0.2584, 0.2771**, and **12.8445, 0.2244, 0.2448** is the 20% darker color. If you saturate the color by 10%, you get **26.6918, 0.2297, 0.2467**, and if you desaturate by 10%, it is **35.9710, 0.2616, 0.2826**.

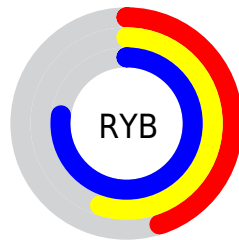
Distribution



Red (45%)

Green (61%)

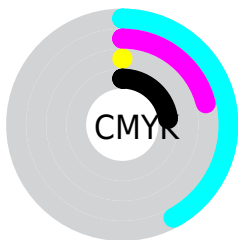
Blue (77%)



Red (45%)

Yellow (55%)

Blue (77%)

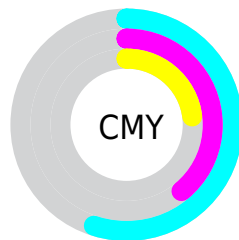


Cyan (42%)

Magenta (21%)

Yellow (0%)

Black (23%)



Cyan (55%)

Magenta (39%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.0513, 0.2454, 0.2652 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 31.0513, 0.2454, 0.2652 by changing the saturation by 10% instead.

■ 31.0513, 0.2454,
0.2652

■ 31.0513, 0.2454,
0.2652

■ 306.7746, 0.2804,
0.2988

■ 20.6379, 0.2363,
0.2564

■ 61.3208, 0.2584,
0.2777

■ 12.8596, 0.2245,
0.2448

■ 81.9458, 0.2632,
0.2823

■ 7.3319, 0.2085,
0.2292

■ 106.7433, 0.2672,
0.2862

■ 3.6705, 0.1861,
0.2068

■ 136.0979, 0.2707,
0.2895

■ 1.4910, 0.1528,
0.1732

■ 170.3940, 0.2736,
0.2923

■ 0.2824, 0.0621,
0.0900

■ 210.0158, 0.2762,

■ 0.0000, 0.0000,

0.2947

0.0000

255.3479, 0.2784,
0.2969

■ 31.0513, 0.2454,
0.2652

■ 31.0513, 0.2454,
0.2652

■ 26.6918, 0.2297,
0.2467

■ 35.9710, 0.2616,
0.2826

■ 22.8640, 0.2150,
0.2273

■ 41.4704, 0.2780,
0.2986

■ 19.5416, 0.2018,
0.2076

■ 47.5725, 0.2940,
0.3132

■ 16.6938, 0.1907,
0.1880

■ 54.2975, 0.3095,
0.3264

■ 14.2850, 0.1819,
0.1692

■ 61.6649, 0.3242,
0.3380

■ 12.6576, 0.1765,
0.1552

■ 69.6928, 0.3381,
0.3484

■ 78.3991, 0.3512,
0.3575

■ 84.5264, 0.3514,
0.3670

■ 90.3792, 0.3493,
0.3764

Harmonies

Analogous

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



31.0513, 0.2354, 0.2854



31.0513, 0.2454, 0.2652



31.0513, 0.2725, 0.2618

Triad

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



31.0513, 0.2454, 0.2652



31.0513, 0.3861, 0.3307



31.0513, 0.3089, 0.3941

Complementary

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



31.0513, 0.2454, 0.2652



36.8373, 0.3961, 0.3846

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.



31.0513, 0.3502, 0.4047



31.0513, 0.2454, 0.2652



31.0513, 0.3966, 0.3644

Square

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



31.0513, 0.2454, 0.2652



31.0513, 0.3543, 0.2985



31.0513, 0.3828, 0.3922



31.0513, 0.2703, 0.3616

Rectangle

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



31.0513, 0.2454, 0.2652



31.0513, 0.2980, 0.2684



31.0513, 0.3828, 0.3922



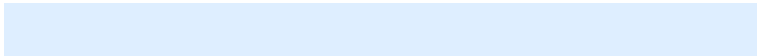
31.0513, 0.3230, 0.4004

Sweetspot

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



31.0525, 0.2454, 0.2652



84.0163, 0.2923, 0.3118



45.8888, 0.2806, 0.3919



17.4437, 0.2888, 0.3086



0.0000, 0.0000, 0.0000



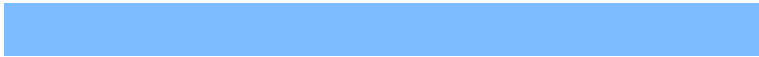
21.4041, 0.3127, 0.3290

Same Dimension

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



31.0525, 0.2454, 0.2652



48.0829, 0.2303, 0.2474



19.6269, 0.2348, 0.2002



11.1392, 0.2983, 0.3170



8.4921, 0.1771, 0.1575



0.5470, 0.1877, 0.1957

Inverse Universe

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



26.2594, 0.3662, 0.2751



39.5999, 0.3845, 0.2635



53.0166, 0.3750, 0.4319



10.7229, 0.3214, 0.3176



8.3973, 0.4963, 0.2508



0.4122, 0.4501, 0.2253

Previews

White Background



This preview shows how the Yxy color 31.0513, 0.2454, 0.2652 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 31.0513, 0.2454, 0.2652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

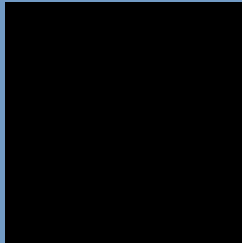
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

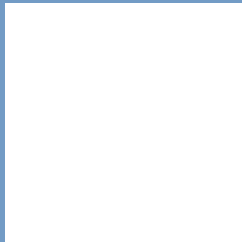
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.0513, 0.2454, 0.2652

Background



This preview shows how black text looks on a background with the Yxy color 31.0513, 0.2454, 0.2652.

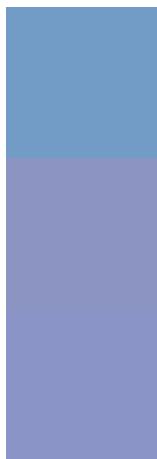


This preview shows how white text looks on a background with the Yxy color 31.0513, 0.2454, 0.2652.

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

31.0513, 0.2454, 0.2652

Protanopia

30.9206, 0.2668, 0.2645

Deuteranopia

30.7460, 0.2622, 0.2565



Tritanopia

30.9006, 0.2580, 0.3077

Trichromacy



Original Color

31.0513, 0.2454, 0.2652

Protanomaly

30.8536, 0.2591, 0.2650

Deuteranomaly

30.9563, 0.2555, 0.2597

Tritanomaly

31.1049, 0.2537, 0.2923

Monochromacy



Original Color

31.0513, 0.2454, 0.2652

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.1206, 0.2849, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0513, 0.2454, 0.2652 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(114, 155, 197)` looks like.

```
.text, #text, p{  
    color:rgb(114, 155, 197)  
}
```

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(114, 155, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 155, 197) }
```

Border

The CSS property to change the border of an element to Yxy 31.0513, 0.2454, 0.2652 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(114, 155, 197) }
```

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

```
.border{ border-color:rgb(114, 155, 197) }
```

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

Here you see how a box with a 4 pixel rgb(114, 155, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 155, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 155, 197);  
box-shadow:4px 4px 4px 4px rgb(114, 155,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0513, 0.2454, 0.2652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 155, 197) }
```

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

```
.background{ background-color: rgb(114,  
155, 197) }
```

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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