

Converting Colors

$Yxy(31.2728, 0.2363, 0.2552)$

Have a look what the booklet for
Yxy(31.2728, 0.2363, 0.2552)
contains.

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Color

Yxy(31.3105, 0.2364, 0.2555)

Conversions

Conversions Part 1

Format	Color
Hex	6B9CCD
RGB	107, 156, 205
RGB Percent	42%, 61%, 80%
CMY	0.5804, 0.3882, 0.1961
CMYK	0.48, 0.24, 0.00, 0.20
HSL	210°, 49%, 61%
HSV	210°, 48%, 80%
XYZ	28.9699, 31.3105, 62.2656
YIQ	146.9350, -44.9330, 4.8510

Conversions

Conversions Part 2

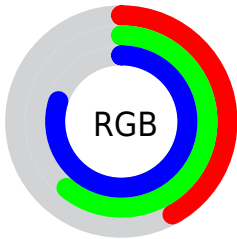
Format	Color
RYB	107, 140, 205
Decimal	7052493
CIELab	62.77, -3.03, -30.20
CIELCh	63, 30.350, 264.269
Yxy	31.3105, 0.2364, 0.2555
Android (android.graphics.Color)	4285242573 (0xFF6B9CCD)
YUV	146.9350, 28.6260, -35.0230
Hunter-Lab	55.9558, -5.5082, -26.8068

Details

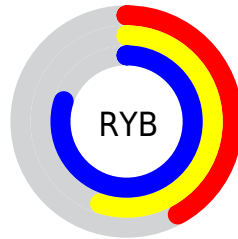
The Yxy color **31.3105, 0.2364, 0.2555** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.8111, 0.4109, 0.3913**, and the grayscale version is **29.0434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0997, 0.2546, 0.2768**, and **13.0156, 0.2130, 0.2319** is the 20% darker color. If you saturate the color by 10%, you get **26.8926, 0.2212, 0.2366**, and if you desaturate by 10%, it is **36.3220, 0.2524, 0.2734**.

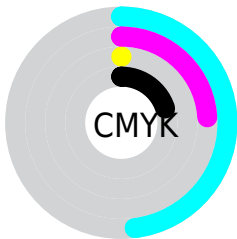
Distribution



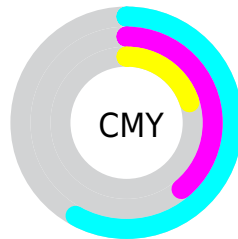
- Red (42%)
- Green (61%)
- Blue (80%)



- Red (42%)
- Yellow (55%)
- Blue (80%)



- Cyan (48%)
- Magenta (24%)
- Yellow (0%)
- Black (20%)



- Cyan (58%)
- Magenta (39%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.3105, 0.2364, 0.2555 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 31.3105, 0.2364, 0.2555 by changing the saturation by 10% instead.

■ 31.3105, 0.2364,
0.2555

■ 31.3105, 0.2364,
0.2555

■ 307.9662, 0.2758,
0.2939

■ 20.8354, 0.2263,
0.2456

■ 61.7286, 0.2509,
0.2697

■ 13.0037, 0.2133,
0.2327

■ 82.4404, 0.2564,
0.2750

■ 7.4311, 0.1960,
0.2153

■ 107.3332, 0.2609,
0.2794

■ 3.7332, 0.1720,
0.1912

■ 136.7914, 0.2648,
0.2832

■ 1.5254, 0.1375,
0.1558

■ 171.1994, 0.2681,
0.2864

■ 0.3065, 0.0564,
0.0795

■ 210.9416, 0.2710,

■ 0.0000, 0.0000,

0.2892

0.0000

256.4024, 0.2736,
0.2917

■ 31.3105, 0.2364,
0.2555

■ 31.3105, 0.2364,
0.2555

■ 26.8926, 0.2212,
0.2366

■ 36.3220, 0.2524,
0.2734

■ 23.0362, 0.2074,
0.2172

■ 41.9500, 0.2687,
0.2901

■ 19.7104, 0.1954,
0.1976

■ 48.2202, 0.2849,
0.3054

■ 16.8789, 0.1857,
0.1786

■ 55.1556, 0.3008,
0.3192

■ 14.4922, 0.1783,
0.1605

■ 62.7778, 0.3160,
0.3316

■ 14.0112, 0.1769,
0.1566

■ 71.1075, 0.3305,
0.3426

■ 80.1644, 0.3441,
0.3523

■ 86.8067, 0.3454,
0.3620

■ 92.9441, 0.3436,
0.3718

Harmonies

Analogous

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



31.3105, 0.2245, 0.2774



31.3105, 0.2364, 0.2555



31.3105, 0.2676, 0.2526

Triad

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



31.3105, 0.2364, 0.2555



31.3105, 0.3984, 0.3314



31.3105, 0.3065, 0.4042

Complementary

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



31.3105, 0.2364, 0.2555



37.8111, 0.4109, 0.3913

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.



31.3105, 0.3541, 0.4168



31.3105, 0.2364, 0.2555



31.3105, 0.4094, 0.3698

Square

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



31.3105, 0.2364, 0.2555



31.3105, 0.3620, 0.2949



31.3105, 0.3923, 0.4019



31.3105, 0.2627, 0.3655

Rectangle

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



31.3105, 0.2364, 0.2555



31.3105, 0.2969, 0.2605



31.3105, 0.3923, 0.4019



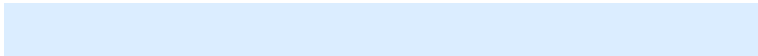
31.3105, 0.3226, 0.4117

Sweetspot

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



31.3117, 0.2364, 0.2555



82.9839, 0.2907, 0.3106



49.1277, 0.2782, 0.4050



17.2434, 0.2872, 0.3075



0.0000, 0.0000, 0.0000



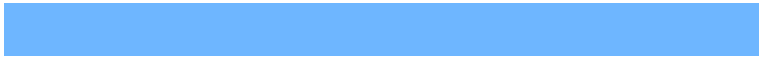
21.4041, 0.3127, 0.3290

Same Dimension

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



31.3117, 0.2364, 0.2555



44.1076, 0.2213, 0.2368



18.3930, 0.2228, 0.1821



11.7554, 0.2983, 0.3171



8.9139, 0.1776, 0.1591



0.6117, 0.1874, 0.1946

Inverse Universe

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



25.8938, 0.3761, 0.2673



35.7279, 0.3964, 0.2563



56.9183, 0.3834, 0.4430



11.3057, 0.3213, 0.3175



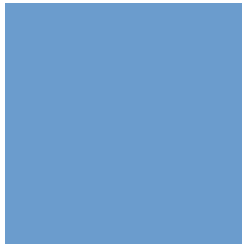
8.7028, 0.4942, 0.2496



0.4643, 0.4514, 0.2260

Previews

White Background



This preview shows how the Yxy color 31.3105, 0.2364, 0.2555 looks on a white background.

Color Contrast Check

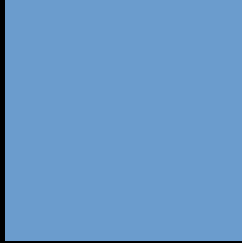
Large Text (above 18pt) WCAG AA × Fail

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 31.3105, 0.2364, 0.2555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

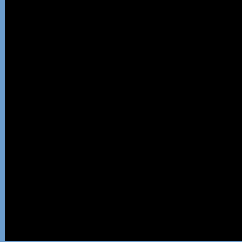
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3105, 0.2364, 0.2555

Background



This preview shows how black text looks on a background with the Yxy color 31.3105, 0.2364, 0.2555.

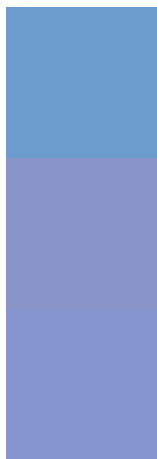


This preview shows how white text looks on a background with the Yxy color 31.3105, 0.2364, 0.2555.

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

31.3105, 0.2364, 0.2555

Protanopia

30.9834, 0.2593, 0.2551

Deuteranopia

31.1020, 0.2536, 0.2474



Tritanopia

31.5325, 0.2506, 0.3076

Trichromacy



Original Color

31.3105, 0.2364, 0.2555

Protanomaly

31.1564, 0.2501, 0.2555

Deuteranomaly

31.2727, 0.2468, 0.2504

Tritanomaly

31.4535, 0.2451, 0.2876

Monochromacy



Original Color

31.3105, 0.2364, 0.2555

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.5454, 0.2796, 0.3005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3105, 0.2364, 0.2555 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(107, 156, 205)` looks like.

```
.text, #text, p{  
    color:rgb(107, 156, 205)  
}
```

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(107, 156, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 156, 205) }
```

Border

The CSS property to change the border of an element to Yxy 31.3105, 0.2364, 0.2555 is called "border". The border property can be set on classes, ids or directly on the HTML element.

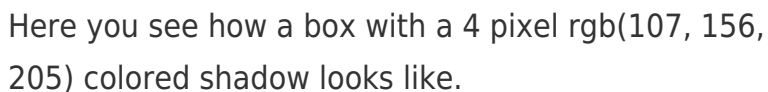
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 156, 205) }
```

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

```
.border{ border-color:rgb(107, 156, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 156, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 156, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 156, 205);  
box-shadow:4px 4px 4px 4px rgb(107, 156,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3105, 0.2364, 0.2555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 156, 205) }
```

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

```
.background{ background-color: rgb(107,  
156, 205) }
```

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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