

Converting Colors

$Y_{xy}(31.5888, 0.2224, 0.2124)$

Have a look what the booklet for
Yxy(31.5888, 0.2224, 0.2124)
contains.

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Color

Yxy(31.4462, 0.2227, 0.2123)

Conversions

Conversions Part 1

Format	Color
Hex	7296EC
RGB	114, 150, 236
RGB Percent	45%, 59%, 93%
CMY	0.5529, 0.4118, 0.0745
CMYK	0.52, 0.36, 0.00, 0.07
HSL	222°, 76%, 69%
HSV	222°, 52%, 93%
XYZ	32.9867, 31.4462, 83.6887
YIQ	149.0400, -49.0620, 19.1140

Conversions

Conversions Part 2

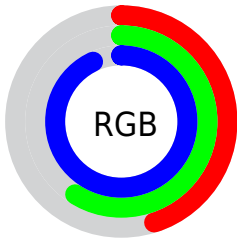
Format	Color
RYB	114, 142, 236
Decimal	7509740
CIELab	62.88, 11.36, -47.20
CIElCh	63, 48.547, 283.537
Yxy	31.4462, 0.2227, 0.2123
Android (android.graphics.Color)	4285699820 (0xFF7296EC)
YUV	149.0400, 42.8713, -30.7301
Hunter-Lab	56.0769, 6.8662, -49.2300

Details

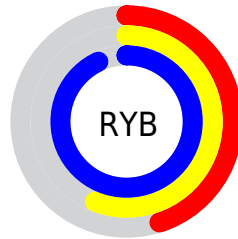
The Yxy color **31.4462, 0.2227, 0.2123** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **60.3622, 0.4072, 0.4217**, and the grayscale version is **29.9059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1764, 0.2588, 0.2704**, and **13.1665, 0.1970, 0.1819** is the 20% darker color. If you saturate the color by 10%, you get **25.1252, 0.2051, 0.1852**, and if you desaturate by 10%, it is **38.9315, 0.2411, 0.2388**.

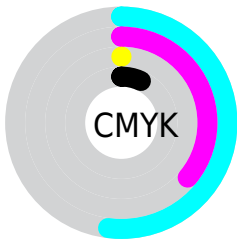
Distribution



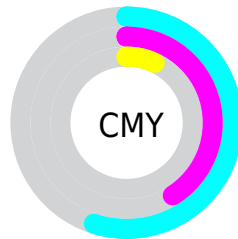
- Red (45%)
- Green (59%)
- Blue (93%)



- Red (45%)
- Yellow (56%)
- Blue (93%)



- Cyan (52%)
- Magenta (36%)
- Yellow (0%)
- Black (7%)





- Cyan (55%)
- Magenta (41%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4462, 0.2227, 0.2123 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 31.4462, 0.2227, 0.2123 by changing the saturation by 10% instead.


 31.4462, 0.2227,
0.2123


 31.4462, 0.2227,
0.2123


308.5887, 0.2688,
0.2699

 20.9389, 0.2113,
0.1986


 61.9419, 0.2395,
0.2328

 13.0793, 0.1968,
0.1816


 82.6990, 0.2458,
0.2407

 7.4832, 0.1781,
0.1601


 107.6415, 0.2511,
0.2474

 3.7661, 0.1534,
0.1325

137.1538, 0.2557,
0.2531

 1.5436, 0.1201,
0.0973

171.6203, 0.2596,
0.2582

 0.3191, 0.0744,
0.0409

211.4254, 0.2631,

 0.0000, 0.0000,

0.2626

0.0000

256.9534, 0.2661,
0.2665

■ 31.4462, 0.2227,
0.2123

■ 31.4462, 0.2227,
0.2123

■ 25.1252, 0.2051,
0.1852

■ 38.9315, 0.2411,
0.2388

■ 19.9016, 0.1892,
0.1584

■ 47.6362, 0.2595,
0.2638

■ 15.7056, 0.1759,
0.1334


■ 57.6156, 0.2774,
0.2868


■ 12.4566, 0.1659,
0.1114

■ 68.9204, 0.2944,
0.3076

■ 10.3899, 0.1600,
0.0961

■ 81.5987, 0.3102,
0.3261

 95.5795, 0.3243,
0.3424

 98.8362, 0.3238,
0.3473

Harmonies

Analogous

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



31.4462, 0.1877, 0.2236



31.4462, 0.2227, 0.2123



31.4462, 0.2842, 0.2257

Triad

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



31.4462, 0.2227, 0.2123



31.4462, 0.4654, 0.3644



31.4462, 0.2544, 0.4164

Complementary

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



31.4462, 0.2227, 0.2123



60.3622, 0.4072, 0.4217

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.



31.4462, 0.3255, 0.4673



31.4462, 0.2227, 0.2123



31.4462, 0.4498, 0.4201

Square

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



31.4462, 0.2227, 0.2123



31.4462, 0.4330, 0.3085



31.4462, 0.3971, 0.4627



31.4462, 0.2029, 0.3342

Rectangle

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



31.4462, 0.2227, 0.2123



31.4462, 0.3359, 0.2464



31.4462, 0.3971, 0.4627



31.4462, 0.2768, 0.4390

Sweetspot

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



31.4473, 0.2227, 0.2123



76.0679, 0.2871, 0.2988



67.7123, 0.2629, 0.3765



15.6884, 0.2836, 0.2945



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.



31.4473, 0.2227, 0.2123



29.5643, 0.2042, 0.1836



23.5315, 0.2307, 0.1712



15.2731, 0.2980, 0.3119



5.9223, 0.1608, 0.0988



0.6268, 0.1683, 0.1260

Inverse Universe

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



32.0722, 0.4162, 0.2895



31.7906, 0.4510, 0.2839



75.1452, 0.3697, 0.4625



15.1272, 0.3247, 0.3221



10.0907, 0.5777, 0.2956



0.8087, 0.5383, 0.2739

Previews

White Background



This preview shows how the Yxy color 31.4462, 0.2227, 0.2123 looks on a white background.

Color Contrast Check

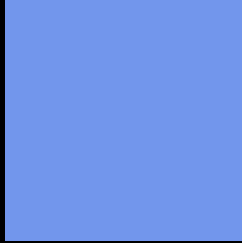
Large Text (above 18pt) WCAG AA × Fail

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 31.4462, 0.2227, 0.2123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

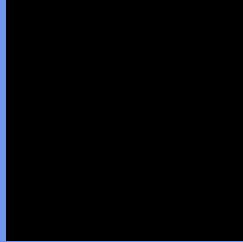
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4462, 0.2227, 0.2123

Background



This preview shows how black text looks on a background with the Yxy color 31.4462, 0.2227, 0.2123.



This preview shows how white text looks on a background with the Yxy color 31.4462, 0.2227, 0.2123.

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

31.4462, 0.2227, 0.2123

Protanopia

31.4861, 0.2265, 0.2129

Deuteranopia

31.3775, 0.2196, 0.2128



Tritanopia

31.3549, 0.2475, 0.3059

Trichromacy



Original Color

31.4462, 0.2227, 0.2123

Protanomaly

31.3446, 0.2252, 0.2126

Deuteranomaly

31.5043, 0.2207, 0.2131

Tritanomaly

31.2976, 0.2373, 0.2673

Monochromacy



Original Color

31.4462, 0.2227, 0.2123

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.0653, 0.2726, 0.2802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4462, 0.2227, 0.2123 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, 150, 236)` looks like.

```
.text, #text, p{  
    color:rgb(114, 150, 236)  
}
```

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, 150, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 150, 236) }
```

Border

The CSS property to change the border of an element to Yxy 31.4462, 0.2227, 0.2123 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, 150, 236) }
```

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

```
.border{ border-color:rgb(114, 150, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 150, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 150, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 150, 236); box-shadow:4px 4px 4px 4px rgb(114, 150, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4462, 0.2227, 0.2123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 150, 236) }
```

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

```
.background{ background-color: rgb(114,  
150, 236) }
```

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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