

Converting Colors

$Y_{xy}(31.5869, 0.2503, 0.2745)$

Have a look what the booklet for
Yxy(31.5869, 0.2503, 0.2745)
contains.

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Color

Yxy(31.6327, 0.2505, 0.2754)

Conversions

Conversions Part 1

Format	Color
Hex	749DC0
RGB	116, 157, 192
RGB Percent	45%, 62%, 75%
CMY	0.5451, 0.3843, 0.2471
CMYK	0.40, 0.18, 0.00, 0.25
HSL	208°, 38%, 60%
HSV	208°, 40%, 75%
XYZ	28.7727, 31.6327, 54.4556
YIQ	148.7310, -35.6710, 2.1930

Conversions

Conversions Part 2

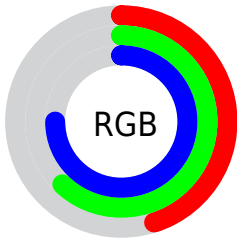
Format	Color
RYB	116, 143, 192
Decimal	7642560
CIELab	63.04, -4.96, -22.48
CIElCh	63, 23.021, 257.567
Yxy	31.6327, 0.2505, 0.2754
Android (android.graphics.Color)	4285832640 (0xFF749DC0)
YUV	148.7310, 21.3316, -28.7051
Hunter-Lab	56.2430, -7.1085, -18.0357

Details

The Yxy color **31.6327, 0.2505, 0.2754** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.5958, 0.3914, 0.3766**, and the grayscale version is **29.8562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0238, 0.2630, 0.2860**, and **13.1998, 0.2314, 0.2590** is the 20% darker color. If you saturate the color by 10%, you get **27.5675, 0.2352, 0.2589**, and if you desaturate by 10%, it is **36.1887, 0.2664, 0.2908**.

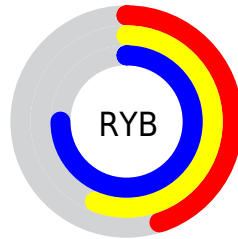
Distribution



Red (45%)

Green (62%)

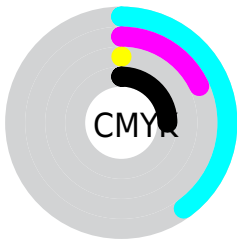
Blue (75%)



Red (45%)

Yellow (56%)

Blue (75%)

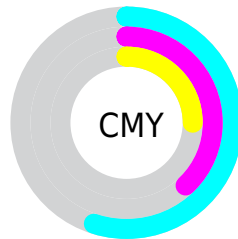


Cyan (40%)

Magenta (18%)

Yellow (0%)

Black (25%)



Cyan (55%)

Magenta (38%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6327, 0.2505, 0.2754 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 31.6327, 0.2505, 0.2754 by changing the saturation by 10% instead.

■ 31.6327, 0.2505,
0.2754

■ 31.6327, 0.2505,
0.2754

■ 309.4427, 0.2829,
0.3038

■ 21.0811, 0.2421,
0.2679

■ 62.2348, 0.2625,
0.2861

■ 13.1833, 0.2311,
0.2579

■ 83.0542, 0.2670,
0.2900

■ 7.5549, 0.2162,
0.2443

■ 108.0649, 0.2707,
0.2932

■ 3.8115, 0.1951,
0.2245

■ 137.6513, 0.2739,
0.2960

■ 1.5687, 0.1633,
0.1940

■ 172.1979, 0.2766,
0.2983

■ 0.3363, 0.0700,
0.1185

■ 212.0891, 0.2790,

■ 0.0000, 0.0000,

0.3004

0.0000

257.7092, 0.2810,
0.3022

■ 31.6327, 0.2505,
0.2754

■ 31.6327, 0.2505,
0.2754

■ 27.5675, 0.2352,
0.2589

■ 36.1887, 0.2664,
0.2908

■ 23.9680, 0.2208,
0.2416

■ 41.2516, 0.2823,
0.3050

■ 20.8119, 0.2078,
0.2238

■ 46.8413, 0.2981,
0.3179

■ 18.0732, 0.1968,
0.2059

■ 52.9751, 0.3133,
0.3295

■ 15.7215, 0.1879,
0.1883

■ 59.6698, 0.3280,
0.3398

■ 13.7047, 0.1811,
0.1715

■ 66.9410, 0.3419,
0.3489

■ 13.6258, 0.1808,
0.1708

■ 74.8040, 0.3549,
0.3569

■ 80.3996, 0.3563,
0.3653

■ 85.3805, 0.3543,
0.3739

Harmonies

Analogous

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



31.6327, 0.2448, 0.2963



31.6327, 0.2505, 0.2754



31.6327, 0.2719, 0.2693

Triad

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



31.6327, 0.2505, 0.2754



31.6327, 0.3725, 0.3250



31.6327, 0.3169, 0.3887

Complementary

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



31.6327, 0.2505, 0.2754



34.5958, 0.3914, 0.3766

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.



31.6327, 0.3523, 0.3943



31.6327, 0.2505, 0.2754



31.6327, 0.3857, 0.3550

Square

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



31.6327, 0.2505, 0.2754



31.6327, 0.3423, 0.2973



31.6327, 0.3779, 0.3807



31.6327, 0.2817, 0.3638

Rectangle

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



31.6327, 0.2505, 0.2754



31.6327, 0.2931, 0.2732



31.6327, 0.3779, 0.3807



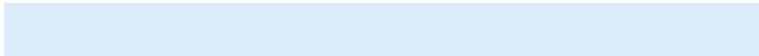
31.6327, 0.3292, 0.3929

Sweetspot

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



31.6339, 0.2505, 0.2754



82.1424, 0.2940, 0.3146



43.6186, 0.2847, 0.3934



17.3320, 0.2919, 0.3130



97.7402, 0.3127, 0.3290



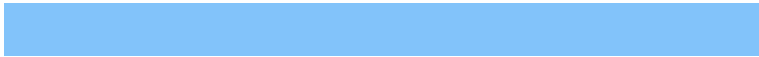
20.4902, 0.3127, 0.3290

Same Dimension

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



31.6339, 0.2505, 0.2754



50.5215, 0.2364, 0.2603



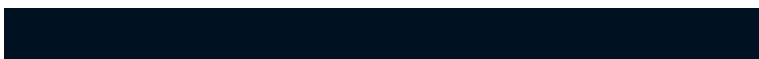
20.9022, 0.2414, 0.2155



10.6281, 0.2984, 0.3181



9.3265, 0.1814, 0.1729



0.5396, 0.1919, 0.2109

Inverse Universe

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



26.1302, 0.3573, 0.2741



40.1823, 0.3724, 0.2617



48.5171, 0.3730, 0.4217



10.1667, 0.3206, 0.3166



8.2237, 0.4771, 0.2402



0.3691, 0.4331, 0.2160

Previews

White Background



This preview shows how the Yxy color 31.6327, 0.2505, 0.2754 looks on a white background.

Color Contrast Check

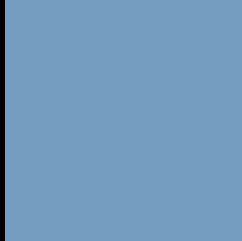
Large Text (above 18pt) WCAG AA × Fail

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 31.6327, 0.2505, 0.2754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

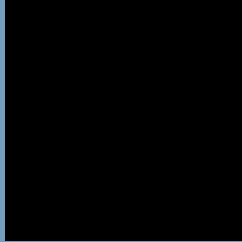
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

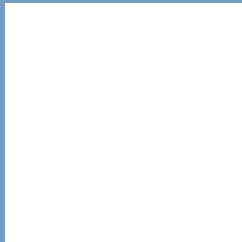
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.6327, 0.2505, 0.2754

Background



This preview shows how black text looks on a background with the Yxy color 31.6327, 0.2505, 0.2754.



This preview shows how white text looks on a background with the Yxy color 31.6327, 0.2505, 0.2754.

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

31.6327, 0.2505, 0.2754

Protanopia

31.5607, 0.2742, 0.2759

Deuteranopia

31.4097, 0.2703, 0.2640



Tritanopia

31.5382, 0.2604, 0.3079

Trichromacy



Original Color

31.6327, 0.2505, 0.2754

Protanomaly

31.4431, 0.2646, 0.2751

Deuteranomaly

31.3751, 0.2624, 0.2683

Tritanomaly

31.6023, 0.2568, 0.2957

Monochromacy



Original Color

31.6327, 0.2505, 0.2754

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.4915, 0.2868, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6327, 0.2505, 0.2754 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(116, 157, 192)` looks like.

```
.text, #text, p{  
    color:rgb(116, 157, 192)  
}
```

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(116, 157, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 157, 192) }
```

Border

The CSS property to change the border of an element to Yxy 31.6327, 0.2505, 0.2754 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(116, 157, 192) }
```

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

```
.border{ border-color:rgb(116, 157, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 157, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 157, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 157, 192);  
box-shadow:4px 4px 4px 4px rgb(116, 157,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6327, 0.2505, 0.2754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 157, 192) }
```

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

```
.background{ background-color: rgb(116,  
157, 192) }
```

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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