

Converting Colors

$Y_{xy}(32.6057, 0.2507, 0.2590)$

Have a look what the booklet for
Yxy(32.6057, 0.2507, 0.2590)
contains.

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Color

Yxy(32.6486, 0.2504, 0.2592)

Conversions

Conversions Part 1

Format	Color
Hex	7F9CCC
RGB	127, 156, 204
RGB Percent	50%, 61%, 80%
CMY	0.5020, 0.3882, 0.2000
CMYK	0.38, 0.24, 0.00, 0.20
HSL	217°, 43%, 65%
HSV	217°, 38%, 80%
XYZ	31.5402, 32.6486, 61.7703
YIQ	152.8010, -32.6920, 8.7800

Conversions

Conversions Part 2

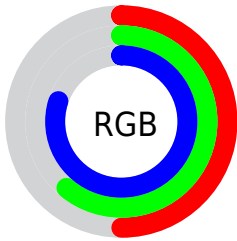
Format	Color
R _Y B	127, 148, 204
Decimal	8363212
CIE Lab	63.88, 1.87, -27.85
CIE LCh	64, 27.912, 273.843
Yxy	32.6486, 0.2504, 0.2592
Android (android.graphics.Color)	4286553292 (0xFF7F9CCC)
YUV	152.8010, 25.2411, -22.6275
Hunter-Lab	57.1390, -1.4629, -24.0985

Details

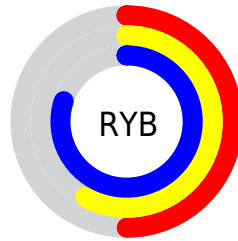
The Yxy color **32.6486, 0.2504, 0.2592** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.0323, 0.3814, 0.3897**, and the grayscale version is **31.6638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2583, 0.2657, 0.2783**, and **13.7610, 0.2309, 0.2375** is the 20% darker color. If you saturate the color by 10%, you get **27.1917, 0.2330, 0.2366**, and if you desaturate by 10%, it is **38.8720, 0.2678, 0.2803**.

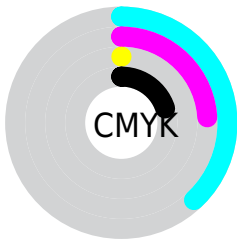
Distribution



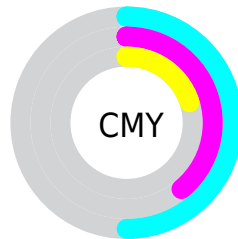
- Red (50%)
- Green (61%)
- Blue (80%)



- Red (50%)
- Yellow (58%)
- Blue (80%)



- Cyan (38%)
- Magenta (24%)
- Yellow (0%)
- Black (20%)



- Cyan (50%)
- Magenta (39%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.6486, 0.2504, 0.2592 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 32.6486, 0.2504, 0.2592 by changing the saturation by 10% instead.

■ 32.6486, 0.2504,
0.2592

■ 32.6486, 0.2504,
0.2592

■ 314.0633, 0.2827,
0.2952

■ 21.8574, 0.2421,
0.2500

■ 63.8265, 0.2624,
0.2725

■ 13.7521, 0.2312,
0.2381

■ 84.9820, 0.2668,
0.2774

■ 7.9485, 0.2167,
0.2221

■ 110.3611, 0.2705,
0.2815

■ 4.0620, 0.1963,
0.1999

■ 140.3480, 0.2737,
0.2851

■ 1.7083, 0.1661,
0.1674

■ 175.3274, 0.2764,
0.2881

■ 0.4290, 0.1094,
0.1035

■ 215.6834, 0.2788,

■ 0.0000, 0.0000,

0.2908

0.0000

261.8006, 0.2809,
0.2931

■ 32.6486, 0.2504,
0.2592

■ 32.6486, 0.2504,
0.2592

■ 27.1917, 0.2330,
0.2366

■ 38.8720, 0.2678,
0.2803

■ 22.4647, 0.2162,
0.2128

■ 45.8889, 0.2847,
0.2995

■ 18.4330, 0.2006,
0.1887

■ 53.7295, 0.3009,
0.3169

■ 15.0573, 0.1870,
0.1650

■ 62.4210, 0.3160,
0.3323

■ 12.2932, 0.1760,
0.1427

■ 71.9896, 0.3301,
0.3459

■ 10.0830, 0.1679,
0.1226

■ 82.4600, 0.3431,
0.3579

■ 9.6446, 0.1662,
0.1184

■ 90.9392, 0.3448,
0.3697

■ 97.1400, 0.3430,
0.3790

Harmonies

Analogous

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



32.6486, 0.2335, 0.2740



32.6486, 0.2504, 0.2592



32.6486, 0.2839, 0.2617

Triad

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



32.6486, 0.2504, 0.2592



32.6486, 0.3963, 0.3430



32.6486, 0.2937, 0.3876

Complementary

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



32.6486, 0.2504, 0.2592



45.0323, 0.3814, 0.3897

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.



32.6486, 0.3372, 0.4075



32.6486, 0.2504, 0.2592



32.6486, 0.3982, 0.3770

Square

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



32.6486, 0.2504, 0.2592



32.6486, 0.3698, 0.3081



32.6486, 0.3758, 0.4019



32.6486, 0.2570, 0.3482

Rectangle

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



32.6486, 0.2504, 0.2592



32.6486, 0.3126, 0.2719



32.6486, 0.3758, 0.4019



32.6486, 0.3080, 0.3970

Sweetspot

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



32.6498, 0.2504, 0.2592



84.4094, 0.2955, 0.3112



50.7764, 0.2778, 0.3709



17.6817, 0.2933, 0.3089



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.



32.6498, 0.2504, 0.2592



46.8775, 0.2367, 0.2416



24.7715, 0.2516, 0.2176



11.5248, 0.2983, 0.3142



6.2357, 0.1669, 0.1210



0.4667, 0.1780, 0.1609

Inverse Universe

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



30.4175, 0.3694, 0.2919



43.5277, 0.3870, 0.2843



56.3268, 0.3613, 0.4245



11.2824, 0.3232, 0.3203



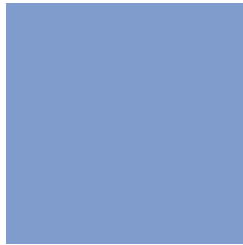
8.4325, 0.5453, 0.2777



0.4497, 0.4920, 0.2484

Previews

White Background



This preview shows how the Yxy color 32.6486, 0.2504, 0.2592 looks on a white background.

Color Contrast Check

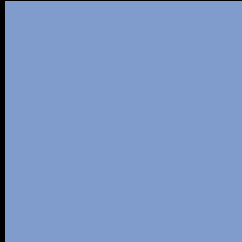
Large Text (above 18pt) WCAG AA × Fail

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 32.6486, 0.2504, 0.2592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

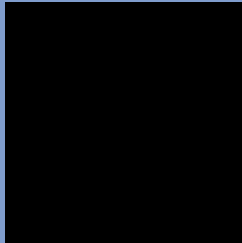
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

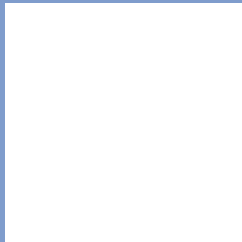
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.6486, 0.2504, 0.2592

Background



This preview shows how black text looks on a background with the Yxy color 32.6486, 0.2504, 0.2592.



This preview shows how white text looks on a background with the Yxy color 32.6486, 0.2504, 0.2592.

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

32.6486, 0.2504, 0.2592

Protanopia

32.6622, 0.2625, 0.2604

Deuteranopia

32.6150, 0.2603, 0.2542



Tritanopia

32.5388, 0.2666, 0.3084

Trichromacy



Original Color

32.6486, 0.2504, 0.2592

Protanomaly

32.6097, 0.2580, 0.2600

Deuteranomaly

32.5086, 0.2566, 0.2549

Tritanomaly

32.5100, 0.2607, 0.2891

Monochromacy



Original Color

32.6486, 0.2504, 0.2592

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.0191, 0.2874, 0.3017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6486, 0.2504, 0.2592 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(127, 156, 204)` looks like.

```
.text, #text, p{  
    color:rgb(127, 156, 204)  
}
```

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(127, 156, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 156, 204) }
```

Border

The CSS property to change the border of an element to Yxy 32.6486, 0.2504, 0.2592 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(127, 156, 204) }
```

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

```
.border{ border-color:rgb(127, 156, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 156, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 156, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 156, 204);  
box-shadow:4px 4px 4px 4px rgb(127, 156,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6486, 0.2504, 0.2592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 156, 204) }
```

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

```
.background{ background-color: rgb(127,  
156, 204) }
```

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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