

Converting Colors

$Y_{xy}(29.9263, 0.2426, 0.2533)$

Have a look what the booklet for
Yxy(29.9263, 0.2426, 0.2533)
contains.

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Color

Yxy(29.9951, 0.2426, 0.2537)

Conversions

Conversions Part 1

Format	Color
Hex	7397C9
RGB	115, 151, 201
RGB Percent	45%, 59%, 79%
CMY	0.5490, 0.4079, 0.2117
CMYK	0.43, 0.25, 0.00, 0.21
HSL	215°, 44%, 62%
HSV	215°, 43%, 79%
XYZ	28.6827, 29.9951, 59.5527
YIQ	145.9360, -37.5060, 7.9180

Conversions

Conversions Part 2

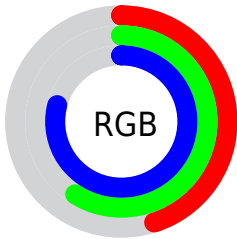
Format	Color
RYB	115, 140, 201
Decimal	7575497
CIELab	61.65, 0.68, -29.68
CIELCh	62, 29.688, 271.306
Yxy	29.9951, 0.2426, 0.2537
Android (android.graphics.Color)	4285765577 (0xFF7397C9)
YUV	145.9360, 27.1466, -27.1309
Hunter-Lab	54.7678, -2.3604, -26.1326

Details

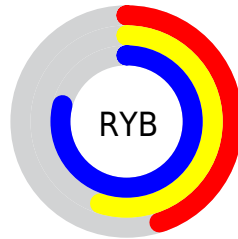
The Yxy color **29.9951, 0.2426, 0.2537** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.5849, 0.3941, 0.3934**, and the grayscale version is **28.6170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4287, 0.2578, 0.2714**, and **12.2130, 0.2204, 0.2291** is the 20% darker color. If you saturate the color by 10%, you get **25.1999, 0.2259, 0.2321**, and if you desaturate by 10%, it is **35.4630, 0.2596, 0.2740**.

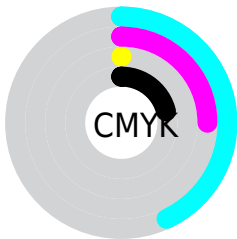
Distribution



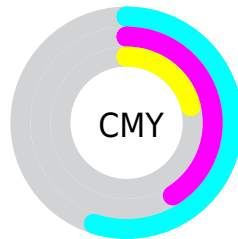
- Red (45%)
- Green (59%)
- Blue (79%)



- Red (45%)
- Yellow (55%)
- Blue (79%)



- Cyan (43%)
- Magenta (25%)
- Yellow (0%)
- Black (21%)



- Cyan (55%)
- Magenta (41%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9951, 0.2426, 0.2537 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 29.9951, 0.2426, 0.2537 by changing the saturation by 10% instead.

■ 29.9951, 0.2426,
0.2537

■ 29.9951, 0.2426,
0.2537

■ 301.8816, 0.2793,
0.2930

■ 19.8349, 0.2331,
0.2435

■ 59.6544, 0.2562,
0.2683

■ 12.2751, 0.2207,
0.2303

■ 79.9223, 0.2613,
0.2737

■ 6.9313, 0.2040,
0.2125

■ 104.3282, 0.2655,
0.2782

■ 3.4192, 0.1805,
0.1876

■ 133.2565, 0.2691,
0.2821

■ 1.3543, 0.1461,
0.1511

■ 167.0916, 0.2722,
0.2854

■ 0.1827, 0.0571,
0.0549

■ 206.2179, 0.2748,

■ 0.0000, 0.0000,

0.2882

0.0000

251.0198, 0.2772,
0.2908

■ 29.9951, 0.2426,
0.2537

■ 29.9951, 0.2426,
0.2537

■ 25.1999, 0.2259,
0.2321

■ 35.4630, 0.2596,
0.2740

■ 21.0436, 0.2102,
0.2097

■ 41.6284, 0.2765,
0.2928

■ 17.4943, 0.1961,
0.1871

■ 48.5188, 0.2929,
0.3098

■ 14.5150, 0.1842,
0.1651

■ 56.1588, 0.3085,
0.3251

■ 12.0628, 0.1749,
0.1445

■ 64.5722, 0.3232,
0.3386

■ 10.5747, 0.1697,
0.1307

■ 73.7813, 0.3369,
0.3506

■ 83.6687, 0.3491,
0.3611

■ 90.5041, 0.3468,
0.3723

■ 96.9983, 0.3448,
0.3820

Harmonies

Analogous

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



29.9951, 0.2261, 0.2710



29.9951, 0.2426, 0.2537



29.9951, 0.2775, 0.2551

Triad

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



29.9951, 0.2426, 0.2537



29.9951, 0.4028, 0.3404



29.9951, 0.2955, 0.3965

Complementary

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



29.9951, 0.2426, 0.2537



40.5849, 0.3941, 0.3934

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.



29.9951, 0.3431, 0.4158



29.9951, 0.2426, 0.2537



29.9951, 0.4071, 0.3779

Square

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



29.9951, 0.2426, 0.2537



29.9951, 0.3718, 0.3031



29.9951, 0.3843, 0.4068



29.9951, 0.2547, 0.3540

Rectangle

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



29.9951, 0.2426, 0.2537



29.9951, 0.3083, 0.2653



29.9951, 0.3843, 0.4068



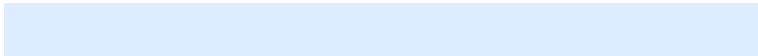
29.9951, 0.3113, 0.4061

Sweetspot

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



29.9962, 0.2426, 0.2537



82.5549, 0.2923, 0.3092



48.1033, 0.2767, 0.3842



17.0841, 0.2887, 0.3055



0.0000, 0.0000, 0.0000



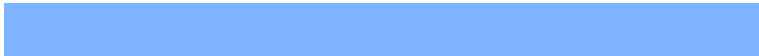
21.4041, 0.3127, 0.3290

Same Dimension

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



29.9962, 0.2426, 0.2537



43.9598, 0.2277, 0.2345



20.5291, 0.2381, 0.1993



11.0045, 0.2983, 0.3152



6.8192, 0.1704, 0.1334



0.4654, 0.1820, 0.1750

Inverse Universe

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



26.9197, 0.3757, 0.2824



39.1837, 0.3959, 0.2734



54.6655, 0.3709, 0.4354



10.7093, 0.3225, 0.3194



8.2284, 0.5281, 0.2683



0.4040, 0.4745, 0.2388

Previews

White Background



This preview shows how the Yxy color 29.9951, 0.2426, 0.2537 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9951, 0.2426, 0.2537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

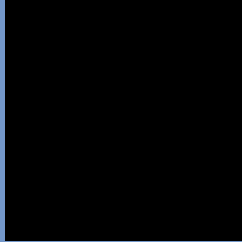
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

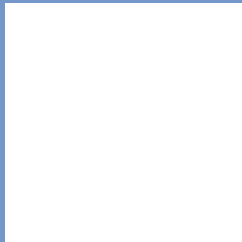
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.9951, 0.2426, 0.2537

Background



This preview shows how black text looks on a background with the Yxy color 29.9951, 0.2426, 0.2537.

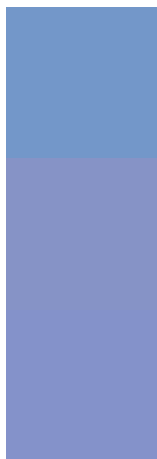


This preview shows how white text looks on a background with the Yxy color 29.9951, 0.2426, 0.2537.

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

29.9951, 0.2426, 0.2537

Protanopia

30.0130, 0.2579, 0.2542

Deuteranopia

29.7276, 0.2534, 0.2473



Tritanopia

30.0427, 0.2588, 0.3090

Trichromacy



Original Color

29.9951, 0.2426, 0.2537

Protanomaly

29.8154, 0.2519, 0.2533

Deuteranomaly

29.8797, 0.2492, 0.2494

Tritanomaly

30.0301, 0.2523, 0.2873

Monochromacy



Original Color

29.9951, 0.2426, 0.2537

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.0839, 0.2838, 0.3005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9951, 0.2426, 0.2537 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(115, 151, 201)` looks like.

```
.text, #text, p{  
    color:rgb(115, 151, 201)  
}
```

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(115, 151, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 151, 201) }
```

Border

The CSS property to change the border of an element to Yxy 29.9951, 0.2426, 0.2537 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(115, 151, 201) }
```

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

```
.border{ border-color:rgb(115, 151, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 151, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 151, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 151, 201);  
box-shadow:4px 4px 4px 4px rgb(115, 151,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9951, 0.2426, 0.2537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 151, 201) }
```

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

```
.background{ background-color: rgb(115,  
151, 201) }
```

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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