

Converting Colors

$Y_{xy}(28.3525, 0.2520, 0.2662)$

Have a look what the booklet for
Yxy(28.3525, 0.2520, 0.2662)
contains.

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Color

Yxy(28.2372, 0.2522, 0.2663)

Conversions

Conversions Part 1

Format	Color
Hex	7593BB
RGB	117, 147, 187
RGB Percent	46%, 58%, 73%
CMY	0.5411, 0.4235, 0.2667
CMYK	0.37, 0.21, 0.00, 0.27
HSL	214°, 34%, 60%
HSV	214°, 37%, 73%
XYZ	26.7421, 28.2372, 51.0560
YIQ	142.5900, -30.7200, 6.0800

Conversions

Conversions Part 2

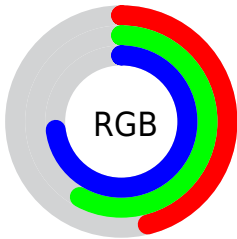
Format	Color
RYB	117, 138, 187
Decimal	7705531
CIELab	60.10, -0.39, -24.17
CIElCh	60, 24.171, 269.067
Yxy	28.2372, 0.2522, 0.2663
Android (android.graphics.Color)	4285895611 (0xFF7593BB)
YUV	142.5900, 21.8941, -22.4424
Hunter-Lab	53.1387, -3.1624, -19.7691

Details

The Yxy color $28.2372, 0.2522, 0.2663$ is a light color, and the websafe version is hex `6699CC`. A complement of this color would be $35.9756, 0.3820, 0.3842$, and the grayscale version is $27.2193, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.9023, 0.2644, 0.2793$, and $11.3944, 0.2322, 0.2459$ is the 20% darker color. If you saturate the color by 10%, you get $23.8974, 0.2355, 0.2458$, and if you desaturate by 10%, it is $33.1469, 0.2690, 0.2853$.

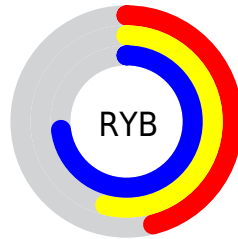
Distribution



Red (46%)

Green (58%)

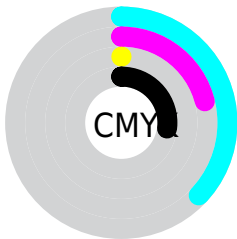
Blue (73%)



Red (46%)

Yellow (54%)

Blue (73%)

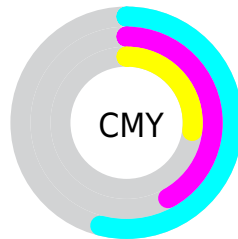


Cyan (37%)

Magenta (21%)

Yellow (0%)

Black (27%)



Cyan (54%)

Magenta (42%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2372, 0.2522, 0.2663 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 28.2372, 0.2522, 0.2663 by changing the saturation by 10% instead.

■ 28.2372, 0.2522,
0.2663

■ 28.2372, 0.2522,
0.2663

■ 293.5986, 0.2843,
0.2996

■ 18.5045, 0.2436,
0.2574

■ 56.8629, 0.2643,
0.2789

■ 11.3128, 0.2323,
0.2456

■ 76.5248, 0.2687,
0.2835

■ 6.2777, 0.2167,
0.2294

■ 100.2651, 0.2724,
0.2873

■ 3.0146, 0.1942,
0.2059

■ 128.4684, 0.2755,
0.2905

■ 1.1394, 0.1596,
0.1697

■ 161.5190, 0.2782,
0.2933

■ 0.0113, 0.0006,
0.0059

■ 199.8013, 0.2805,

■ 0.0000, 0.0000,

0.2957

0.0000

243.6997, 0.2825,
0.2978

■ 28.2372, 0.2522,
0.2663

■ 28.2372, 0.2522,
0.2663

■ 23.8974, 0.2355,
0.2458

■ 33.1469, 0.2690,
0.2853

■ 20.1005, 0.2194,
0.2243

■ 38.6457, 0.2856,
0.3027

■ 16.8217, 0.2045,
0.2022

■ 44.7554, 0.3014,
0.3184

■ 14.0324, 0.1914,
0.1802

■ 51.4960, 0.3165,
0.3325

■ 11.7004, 0.1807,
0.1590

■ 58.8863, 0.3306,
0.3449

■ 9.7826, 0.1726,
0.1394

■ 66.9442, 0.3438,
0.3558

■ 9.3386, 0.1707,
0.1346

■ 75.6870, 0.3559,
0.3654

■ 82.8585, 0.3586,
0.3751

■ 89.0800, 0.3560,
0.3852

Harmonies

Analogous

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



28.2372, 0.2393, 0.2827



28.2372, 0.2522, 0.2663



28.2372, 0.2809, 0.2659

Triad

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



28.2372, 0.2522, 0.2663



28.2372, 0.3862, 0.3369



28.2372, 0.3018, 0.3862

Complementary

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



28.2372, 0.2522, 0.2663



35.9756, 0.3820, 0.3842

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.



28.2372, 0.3415, 0.4008



28.2372, 0.2522, 0.2663



28.2372, 0.3917, 0.3687

Square

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



28.2372, 0.2522, 0.2663



28.2372, 0.3592, 0.3053



28.2372, 0.3748, 0.3929



28.2372, 0.2665, 0.3528

Rectangle

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



28.2372, 0.2522, 0.2663



28.2372, 0.3063, 0.2739



28.2372, 0.3748, 0.3929



28.2372, 0.3150, 0.3936

Sweetspot

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



28.2383, 0.2522, 0.2663



75.9108, 0.2956, 0.3127



41.7493, 0.2806, 0.3758



16.3872, 0.2934, 0.3106



95.5105, 0.3127, 0.3290



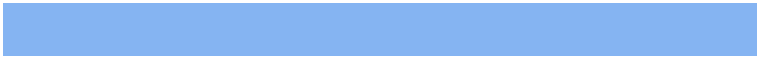
19.5994, 0.3127, 0.3290

Same Dimension

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



28.2383, 0.2522, 0.2663



44.0443, 0.2383, 0.2494



20.4321, 0.2494, 0.2186



9.8792, 0.2984, 0.3155



6.5715, 0.1714, 0.1368



0.3874, 0.1846, 0.1846

Inverse Universe

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



25.4006, 0.3637, 0.2875



39.0539, 0.3804, 0.2784



46.8134, 0.3638, 0.4221



9.6024, 0.3223, 0.3192



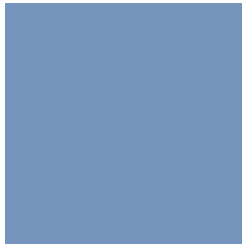
7.6931, 0.5234, 0.2657



0.3145, 0.4630, 0.2324

Previews

White Background



This preview shows how the Yxy color 28.2372, 0.2522, 0.2663 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 28.2372, 0.2522, 0.2663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

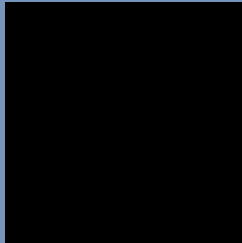
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

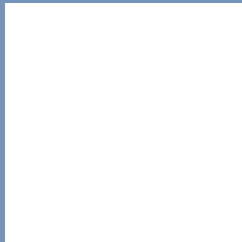
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.2372, 0.2522, 0.2663

Background



This preview shows how black text looks on a background with the Yxy color 28.2372, 0.2522, 0.2663.



This preview shows how white text looks on a background with the Yxy color 28.2372, 0.2522, 0.2663.

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

28.2372, 0.2522, 0.2663

Protanopia

28.1739, 0.2676, 0.2664

Deuteranopia

28.1277, 0.2652, 0.2596



Tritanopia

28.1571, 0.2657, 0.3087

Trichromacy



Original Color

28.2372, 0.2522, 0.2663

Protanomaly

28.0385, 0.2619, 0.2657

Deuteranomaly

28.1666, 0.2596, 0.2616

Tritanomaly

28.3020, 0.2604, 0.2929

Monochromacy



Original Color

28.2372, 0.2522, 0.2663

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.5181, 0.2886, 0.3047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2372, 0.2522, 0.2663 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(117, 147, 187)` looks like.

```
.text, #text, p{  
    color:rgb(117, 147, 187)  
}
```

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(117, 147, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 147, 187) }
```

Border

The CSS property to change the border of an element to Yxy 28.2372, 0.2522, 0.2663 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(117, 147, 187) }
```

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

```
.border{ border-color:rgb(117, 147, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 147, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 147, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 147, 187);  
box-shadow:4px 4px 4px 4px rgb(117, 147,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2372, 0.2522, 0.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 147, 187) }
```

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

```
.background{ background-color: rgb(117,  
147, 187) }
```

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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