

Converting Colors

$Y_{xy}(25.7731, 0.2226, 0.2978)$

Have a look what the booklet for
Yxy(25.7731, 0.2226, 0.2978)
contains.

Yxy(25.7722, 0.2226, 0.2978)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(25.7722, 0.2226, 0.2978)$

Conversions

Conversions Part 1

Format	Color
Hex	2898A9
RGB	40, 152, 169
RGB Percent	16%, 60%, 66%
CMY	0.8434, 0.4039, 0.3372
CMYK	0.76, 0.10, 0.00, 0.34
HSL	188°, 62%, 41%
HSV	188°, 76%, 66%
XYZ	19.2642, 25.7722, 41.5055
YIQ	120.4500, -72.2090, -18.4570

Conversions

Conversions Part 2

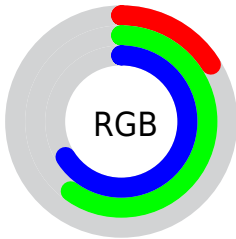
Format	Color
R_{YB}	40, 100, 169
Decimal	2660521
CIE _{Lab}	57.82, -24.49, -17.74
CIE _{LCh}	58, 30.238, 215.919
Yxy	25.7722, 0.2226, 0.2978
Android (android.graphics.Color)	4280850601 (0xFF2898A9)
YUV	120.4500, 23.9352, -70.5546
Hunter-Lab	50.7663, -21.1059, -12.9379

Details

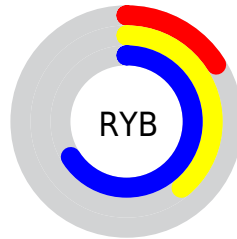
The Yxy color **25.7722, 0.2226, 0.2978** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.5120, 0.5520, 0.3490**, and the grayscale version is **18.8684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0716, 0.2406, 0.3062**, and **10.5917, 0.2130, 0.2869** is the 20% darker color. If you saturate the color by 10%, you get **24.7893, 0.2175, 0.2932**, and if you desaturate by 10%, it is **26.9186, 0.2296, 0.3024**.

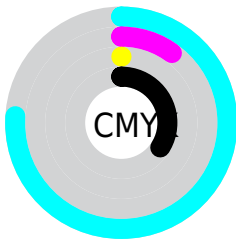
Distribution



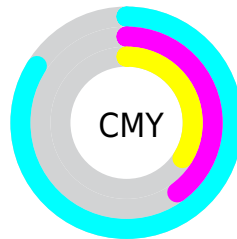
- Red (16%)
- Green (60%)
- Blue (66%)



- Red (16%)
- Yellow (39%)
- Blue (66%)



- Cyan (76%)
- Magenta (10%)
- Yellow (0%)
- Black (34%)



- Cyan (84%)
- Magenta (40%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7722, 0.2226, 0.2978 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 25.7722, 0.2226, 0.2978 by changing the saturation by 10% instead.


 25.7722, 0.2226,
0.2978


 25.7722, 0.2226,
0.2978


281.6620, 0.2704,
0.3162


 16.6533, 0.2099,
0.2921


 52.9072, 0.2406,
0.3053

 9.9876, 0.1932,
0.2841


 71.6921, 0.2471,
0.3078

 5.3907, 0.1704,
0.2720

 94.4678, 0.2526,
0.3099

 2.4783, 0.1381,
0.2523

 121.6187, 0.2573,
0.3116

 0.8657, 0.0583,
0.2244

 153.5292, 0.2612,
0.3131

 0.0000, 0.0000,
0.0000

190.5836, 0.2647,

0.3143

233.1664, 0.2677,
0.3153

■ 25.7722, 0.2226,
0.2978

■ 25.7722, 0.2226,
0.2978

■ 24.7893, 0.2175,
0.2932

■ 26.9186, 0.2296,
0.3024

■ 23.9432, 0.2141,
0.2887

■ 28.2429, 0.2384,
0.3069

■ 23.6518, 0.2131,
0.2871

■ 29.7610, 0.2489,
0.3114

■ 31.4860, 0.2609,
0.3156

■ 33.4301, 0.2741,
0.3197

■ 35.6042, 0.2882,
0.3234

■ 38.0187, 0.3031,
0.3269

■ 40.6832, 0.3183,
0.3301

■ 43.6067, 0.3336,
0.3330

Harmonies

Analogous

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



25.7722, 0.2453, 0.3477



25.7722, 0.2226, 0.2978



25.7722, 0.2218, 0.2627

Triad

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



25.7722, 0.2226, 0.2978



25.7722, 0.3336, 0.2734



25.7722, 0.3833, 0.4153

Complementary

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



25.7722, 0.2226, 0.2978



11.5120, 0.5520, 0.3490

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.



25.7722, 0.4116, 0.3864



25.7722, 0.2226, 0.2978



25.7722, 0.3826, 0.3070

Square

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



25.7722, 0.2226, 0.2978



25.7722, 0.2821, 0.2522



25.7722, 0.4120, 0.3471



25.7722, 0.3371, 0.4213

Rectangle

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



25.7722, 0.2226, 0.2978



25.7722, 0.2333, 0.2505



25.7722, 0.4120, 0.3471



25.7722, 0.3953, 0.4076

Sweetspot

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



25.7731, 0.2226, 0.2978



60.9628, 0.2782, 0.3208



29.1097, 0.2958, 0.5465



13.0045, 0.2734, 0.3195



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



25.7731, 0.2226, 0.2978



43.2629, 0.2149, 0.2899



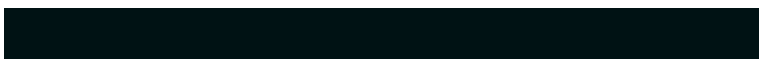
10.5301, 0.1904, 0.1722



8.3608, 0.2987, 0.3259



17.6784, 0.2132, 0.2875



0.4752, 0.2174, 0.3025

Inverse Universe

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



12.2179, 0.3460, 0.1855



19.3616, 0.3541, 0.1753



21.9126, 0.4652, 0.4355



7.6493, 0.3157, 0.3096



7.8557, 0.3566, 0.1738



0.1957, 0.3432, 0.1664

Previews

White Background



This preview shows how the Yxy color 25.7722, 0.2226, 0.2978 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 25.7722, 0.2226, 0.2978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

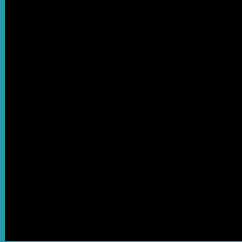
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7722, 0.2226, 0.2978

Background



This preview shows how black text looks on a background with the Yxy color 25.7722, 0.2226, 0.2978.

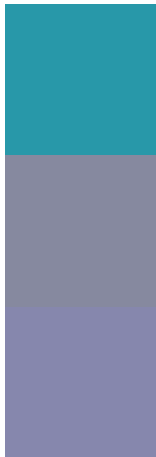


This preview shows how white text looks on a background with the Yxy color 25.7722, 0.2226, 0.2978.

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

25.7722, 0.2226, 0.2978

Protanopia

25.4629, 0.2881, 0.2930

Deuteranopia

25.4134, 0.2755, 0.2689



Tritanopia

25.8924, 0.2244, 0.3067

Trichromacy



Original Color

25.7722, 0.2226, 0.2978



Protanomaly

24.6997, 0.2548, 0.2922



Deuteranomaly

24.7376, 0.2481, 0.2761



Tritanomaly

25.9477, 0.2241, 0.3049

Monochromacy



Original Color

25.7722, 0.2226, 0.2978



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

20.5617, 0.2646, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7722, 0.2226, 0.2978 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(40, 152, 169)` looks like.

```
.text, #text, p{  
    color:rgb(40, 152, 169)  
}
```

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(40, 152, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 152, 169) }
```

Border

The CSS property to change the border of an element to Yxy 25.7722, 0.2226, 0.2978 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(40, 152, 169) }
```

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

```
.border{ border-color:rgb(40, 152, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 152, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 152, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 152, 169);  
box-shadow:4px 4px 4px 4px rgb(40, 152,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7722, 0.2226, 0.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 152, 169) }
```

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

```
.background{ background-color: rgb(40, 152,  
169) }
```

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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