

Converting Colors

$Y_{xy}(29.7390, 0.2566, 0.3507)$

Have a look what the booklet for
Yxy(29.7390, 0.2566, 0.3507)
contains.

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Color

$Y_{xy}(29.7920, 0.2565, 0.3502)$

Conversions

Conversions Part 1

Format	Color
Hex	51A296
RGB	81, 162, 150
RGB Percent	32%, 64%, 59%
CMY	0.6822, 0.3647, 0.4117
CMYK	0.50, 0.00, 0.07, 0.36
HSL	171°, 33%, 48%
HSV	171°, 50%, 64%
XYZ	21.8208, 29.7920, 33.4586
YIQ	136.4130, -44.4240, -20.9040

Conversions

Conversions Part 2

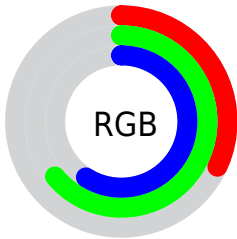
Format	Color
R_{YB}	81, 125, 162
Decimal	5350038
CIE _{Lab}	61.47, -27.78, -1.39
CIE _{LCh}	61, 27.816, 182.856
Yxy	29.7920, 0.2565, 0.3502
Android (android.graphics.Color)	4283540118 (0xFF51A296)
YUV	136.4130, 6.6984, -48.5972
Hunter-Lab	54.5820, -24.1579, 1.8629

Details

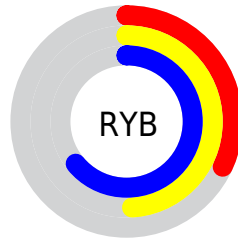
The Yxy color **29.7920, 0.2565, 0.3502** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.3607, 0.4284, 0.3104**, and the grayscale version is **24.7735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2196, 0.2679, 0.3459**, and **12.1912, 0.2380, 0.3584** is the 20% darker color. If you saturate the color by 10%, you get **29.0841, 0.2492, 0.3552**, and if you desaturate by 10%, it is **30.6746, 0.2655, 0.3454**.

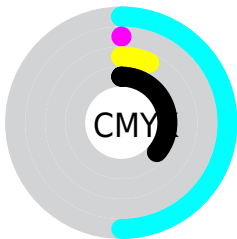
Distribution



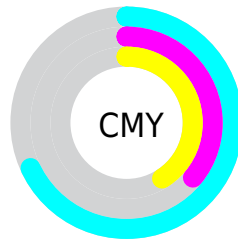
- Red (32%)
- Green (64%)
- Blue (59%)



- Red (32%)
- Yellow (49%)
- Blue (64%)



- Cyan (50%)
- Magenta (0%)
- Yellow (7%)
- Black (36%)





- Cyan (68%)
- Magenta (36%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7920, 0.2565, 0.3502 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 29.7920, 0.2565, 0.3502 by changing the saturation by 10% instead.


 29.7920, 0.2565,
0.3502


 29.7920, 0.2565,
0.3502


300.9337, 0.2865,
0.3390


 19.6808, 0.2484,
0.3532


 59.3331, 0.2679,
0.3460

 12.1632, 0.2375,
0.3571


 79.5317, 0.2720,
0.3445

 6.8549, 0.2224,
0.3625


 103.8616, 0.2754,
0.3432

 3.3715, 0.1998,
0.3704

 132.7072, 0.2783,
0.3421

 1.3286, 0.1540,
0.3868

 166.4527, 0.2808,
0.3412

 0.1632, 0.0000,
0.3728

205.4828, 0.2829,

 0.0000, 0.0000,

0.3404

0.0000

250.1816, 0.2848,
0.3397

■ 29.7920, 0.2565,
0.3502

■ 29.7920, 0.2565,
0.3502

■ 29.0841, 0.2492,
0.3552

■ 30.6746, 0.2655,
0.3454

■ 28.5350, 0.2436,
0.3603

■ 31.7395, 0.2758,
0.3408

■ 28.1318, 0.2400,
0.3655

■ 32.9980, 0.2873,
0.3366

■ 27.8583, 0.2382,
0.3706

■ 34.4596, 0.2997,
0.3326

■ 27.6760, 0.2377,
0.3757


■ 36.1332, 0.3127,
0.3290

 27.6757, 0.2377,
0.3758

 38.0269, 0.3261,
0.3257

 40.1487, 0.3396,
0.3228

 42.5060, 0.3530,
0.3202

 45.1060, 0.3662,
0.3180

Harmonies

Analogous

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



29.7920, 0.2945, 0.3904



29.7920, 0.2565, 0.3502



29.7920, 0.2341, 0.3062

Triad

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



29.7920, 0.2565, 0.3502



29.7920, 0.2818, 0.2597



29.7920, 0.4009, 0.3771

Complementary

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



29.7920, 0.2565, 0.3502



14.3607, 0.4284, 0.3104

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.



29.7920, 0.3982, 0.3420



29.7920, 0.2565, 0.3502



29.7920, 0.3265, 0.2772

Square

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



29.7920, 0.2565, 0.3502



29.7920, 0.2479, 0.2576



29.7920, 0.3702, 0.3064



29.7920, 0.3786, 0.4033

Rectangle

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



29.7920, 0.2565, 0.3502



29.7920, 0.2300, 0.2825



29.7920, 0.3702, 0.3064



29.7920, 0.4030, 0.3659

Sweetspot

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



29.7932, 0.2565, 0.3502



61.1063, 0.2931, 0.3347



28.7710, 0.3154, 0.4791



13.6068, 0.2906, 0.3355



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.7932, 0.2565, 0.3502



52.6711, 0.2484, 0.3558



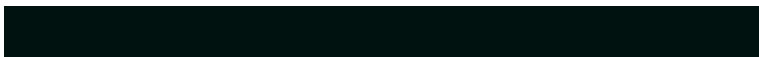
21.3151, 0.2388, 0.2767



7.9931, 0.3006, 0.3323



21.8089, 0.2376, 0.3753



0.4628, 0.2324, 0.3567

Inverse Universe

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



14.3607, 0.4284, 0.3104



21.3772, 0.4713, 0.3077



19.2915, 0.4248, 0.3743



7.1023, 0.3263, 0.3257



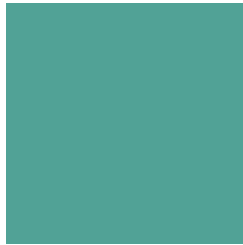
6.1077, 0.6163, 0.3169



0.1329, 0.5419, 0.2759

Previews

White Background



This preview shows how the Yxy color 29.7920, 0.2565, 0.3502 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 29.7920, 0.2565, 0.3502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

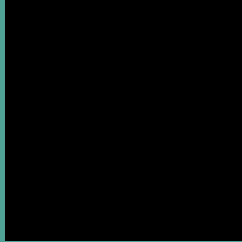
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7920, 0.2565, 0.3502

Background



This preview shows how black text looks on a background with the Yxy color 29.7920, 0.2565, 0.3502.

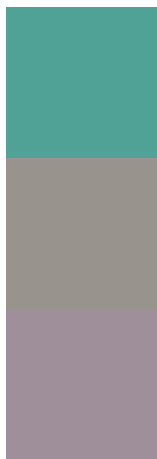


This preview shows how white text looks on a background with the Yxy color 29.7920, 0.2565, 0.3502.

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

29.7920, 0.2565, 0.3502

Protanopia

29.4659, 0.3238, 0.3385

Deuteranopia

29.3489, 0.3188, 0.3124



Tritanopia

29.8495, 0.2454, 0.3069

Trichromacy



Original Color

29.7920, 0.2565, 0.3502

Protanomaly

28.9057, 0.2945, 0.3424

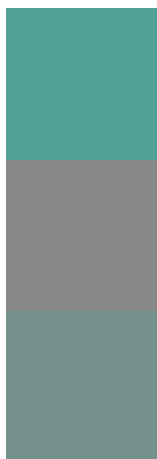
Deuteranomaly

28.9379, 0.2913, 0.3240

Tritanomaly

29.7532, 0.2491, 0.3219

Monochromacy



Original Color

29.7920, 0.2565, 0.3502

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.8869, 0.2873, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7920, 0.2565, 0.3502 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(81, 162, 150)` looks like.

```
.text, #text, p{  
    color:rgb(81, 162, 150)  
}
```

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(81, 162, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 162, 150) }
```

Border

The CSS property to change the border of an element to Yxy 29.7920, 0.2565, 0.3502 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(81, 162, 150) }
```

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

```
.border{ border-color:rgb(81, 162, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 162, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 162, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 162, 150);  
box-shadow:4px 4px 4px 4px rgb(81, 162,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7920, 0.2565, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 162, 150) }
```

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

```
.background{ background-color: rgb(81, 162,  
150) }
```

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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