

Converting Colors

$Y_{xy}(29.7196, 0.2657, 0.3670)$

Have a look what the booklet for
Yxy(29.7196, 0.2657, 0.3670)
contains.

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Color

Yxy(29.7422, 0.2659, 0.3667)

Conversions

Conversions Part 1

Format	Color
Hex	56A28D
RGB	86, 162, 141
RGB Percent	34%, 64%, 55%
CMY	0.6627, 0.3647, 0.4471
CMYK	0.47, 0.00, 0.13, 0.36
HSL	163°, 31%, 49%
HSV	163°, 47%, 64%
XYZ	21.5665, 29.7422, 29.7990
YIQ	136.8820, -38.5550, -22.6430

Conversions

Conversions Part 2

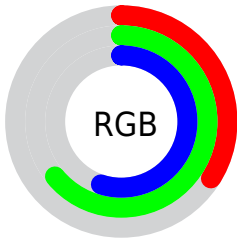
Format	Color
R_{YB}	86, 130, 162
Decimal	5677709
CIE _{Lab}	61.43, -28.79, 3.65
CIE _{LCh}	61, 29.020, 172.772
Yxy	29.7422, 0.2659, 0.3667
Android (android.graphics.Color)	4283867789 (0xFF56A28D)
YUV	136.8820, 2.0302, -44.6235
Hunter-Lab	54.5364, -24.8505, 5.7791

Details

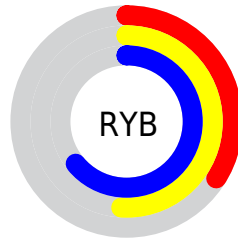
The Yxy color $29.7422, 0.2659, 0.3667$ is a dark color, and the websafe version is hex 339999 . A complement of this color would be $15.4030, 0.4010, 0.2958$, and the grayscale version is $24.9747, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.1413, 0.2752, 0.3579$, and $12.1684, 0.2494, 0.3807$ is the 20% darker color. If you saturate the color by 10%, you get $28.9287, 0.2591, 0.3764$, and if you desaturate by 10%, it is $30.7378, 0.2742, 0.3575$.

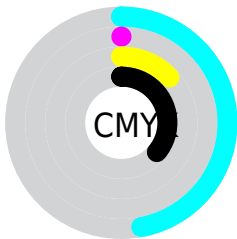
Distribution



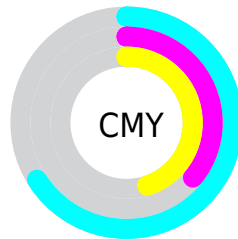
- Red (34%)
- Green (64%)
- Blue (55%)



- Red (34%)
- Yellow (51%)
- Blue (64%)



- Cyan (47%)
- Magenta (0%)
- Yellow (13%)
- Black (36%)




- Cyan (66%)
- Magenta (36%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7422, 0.2659, 0.3667 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 29.7422, 0.2659, 0.3667 by changing the saturation by 10% instead.


 29.7422, 0.2659,
0.3667


 29.7422, 0.2659,
0.3667


300.7009, 0.2911,
0.3461

 19.6430, 0.2589,
0.3725


 59.2542, 0.2756,
0.3588

 12.1358, 0.2495,
0.3804


 79.4359, 0.2790,
0.3559

 6.8362, 0.2362,
0.3918


 103.7471, 0.2819,
0.3536

 3.3599, 0.2159,
0.4096

 132.5723, 0.2843,
0.3516

 1.3224, 0.1693,
0.4477

166.2959, 0.2864,
0.3499

 0.1584, 0.0000,
1.0000

205.3023, 0.2882,

 0.0000, 0.0000,

0.3485

0.0000

249.9758, 0.2898,
0.3472

■ 29.7422, 0.2659,
0.3667

■ 29.7422, 0.2659,
0.3667

■ 28.9287, 0.2591,
0.3764

■ 30.7378, 0.2742,
0.3575

■ 28.2817, 0.2540,
0.3864

■ 31.9227, 0.2836,
0.3489

■ 27.7889, 0.2507,
0.3966


■ 33.3082, 0.2940,
0.3409


■ 27.4347, 0.2494,
0.4069

■ 34.9036, 0.3049,
0.3336

■ 27.1955, 0.2498,
0.4171


■ 36.7175, 0.3163,
0.3270

 27.1302, 0.2501,
0.4203

 38.7581, 0.3278,
0.3211

 41.0333, 0.3392,
0.3159

 43.5504, 0.3505,
0.3112

 46.3164, 0.3615,
0.3072

Harmonies

Analogous

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



29.7422, 0.3091, 0.4033



29.7422, 0.2659, 0.3667



29.7422, 0.2365, 0.3198

Triad

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



29.7422, 0.2659, 0.3667



29.7422, 0.2669, 0.2542



29.7422, 0.4069, 0.3671

Complementary

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



29.7422, 0.2659, 0.3667



15.4030, 0.4010, 0.2958

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.



29.7422, 0.3948, 0.3296



29.7422, 0.2659, 0.3667



29.7422, 0.3107, 0.2674

Square

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



29.7422, 0.2659, 0.3667



29.7422, 0.2373, 0.2580



29.7422, 0.3584, 0.2942



29.7422, 0.3916, 0.3988

Rectangle

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



29.7422, 0.2659, 0.3667



29.7422, 0.2277, 0.2919



29.7422, 0.3584, 0.2942



29.7422, 0.4060, 0.3548

Sweetspot

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



29.7434, 0.2659, 0.3667



61.1931, 0.2968, 0.3389



29.6733, 0.3247, 0.4647



13.6154, 0.2946, 0.3405



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.



29.7434, 0.2659, 0.3667



52.4954, 0.2590, 0.3765



25.0042, 0.2463, 0.2995



7.9777, 0.3023, 0.3353



21.3810, 0.2498, 0.4194



0.4566, 0.2396, 0.3826

Inverse Universe

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



15.4030, 0.4010, 0.2958



23.2998, 0.4320, 0.2898



17.9521, 0.4235, 0.3556



7.1167, 0.3243, 0.3228



6.2061, 0.5797, 0.2967



0.1380, 0.4839, 0.2439

Previews

White Background



This preview shows how the Yxy color 29.7422, 0.2659, 0.3667 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 29.7422, 0.2659, 0.3667 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 29.7422, 0.2659, 0.3667

Background



This preview shows how black text looks on a background with the Yxy color 29.7422, 0.2659, 0.3667.

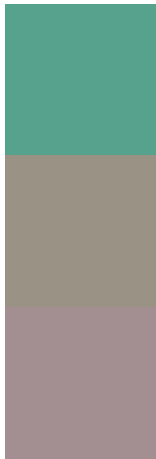


This preview shows how white text looks on a background with the Yxy color 29.7422, 0.2659, 0.3667.

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

29.7422, 0.2659, 0.3667

Protanopia

29.4309, 0.3340, 0.3511

Deuteranopia

29.4758, 0.3322, 0.3260



Tritanopia

29.7737, 0.2495, 0.3070

Trichromacy



Original Color

29.7422, 0.2659, 0.3667

Protanomaly

28.9012, 0.3045, 0.3560

Deuteranomaly

28.9772, 0.3032, 0.3388

Tritanomaly

29.5585, 0.2552, 0.3271

Monochromacy



Original Color

29.7422, 0.2659, 0.3667

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.2443, 0.2919, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7422, 0.2659, 0.3667 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(86, 162, 141)` looks like.

```
.text, #text, p{  
    color:rgb(86, 162, 141)  
}
```

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(86, 162, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 162, 141) }
```

Border

The CSS property to change the border of an element to Yxy 29.7422, 0.2659, 0.3667 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(86, 162, 141) }
```

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

```
.border{ border-color:rgb(86, 162, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 162, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 162, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 162, 141);  
box-shadow:4px 4px 4px 4px rgb(86, 162,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7422, 0.2659, 0.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 162, 141) }
```

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

```
.background{ background-color: rgb(86, 162,  
141) }
```

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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