

Converting Colors

$Y_{xy}(29.9936, 0.2679, 0.4074)$

Have a look what the booklet for
Yxy(29.9936, 0.2679, 0.4074)
contains.

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Color

Yxy(29.9929, 0.2683, 0.4078)

Conversions

Conversions Part 1

Format	Color
Hex	45A67C
RGB	69, 166, 124
RGB Percent	27%, 65%, 49%
CMY	0.7291, 0.3490, 0.5137
CMYK	0.58, 0.00, 0.25, 0.35
HSL	154°, 41%, 46%
HSV	154°, 58%, 65%
XYZ	19.7329, 29.9929, 23.8222
YIQ	132.2090, -44.3300, -33.6260

Conversions

Conversions Part 2

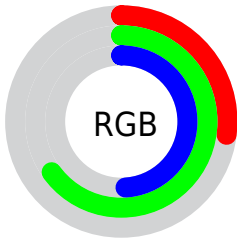
Format	Color
RYB	69, 131, 166
Decimal	4564604
CIELab	61.65, -38.62, 13.36
CIElCh	62, 40.871, 160.917
Yxy	29.9929, 0.2683, 0.4078
Android (android.graphics.Color)	4282754684 (0xFF45A67C)
YUV	132.2090, -4.0470, -55.4343
Hunter-Lab	54.7658, -31.5238, 12.5459

Details

The Yxy color **29.9929, 0.2683, 0.4078** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.5206, 0.4079, 0.2660**, and the grayscale version is **23.1882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7769, 0.2775, 0.3902**, and **12.3183, 0.2549, 0.4376** is the 20% darker color. If you saturate the color by 10%, you get **29.2935, 0.2647, 0.4243**, and if you desaturate by 10%, it is **30.8778, 0.2735, 0.3918**.

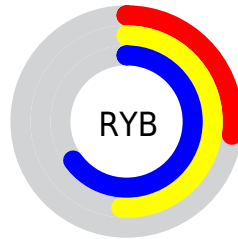
Distribution



Red (27%)

Green (65%)

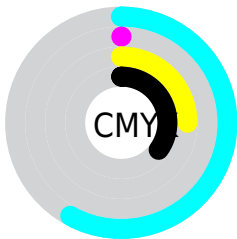
Blue (49%)



Red (27%)

Yellow (51%)

Blue (65%)

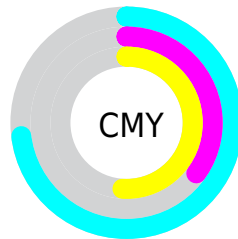


Cyan (58%)

Magenta (0%)

Yellow (25%)

Black (35%)



Cyan (73%)


Magenta (35%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9929, 0.2683, 0.4078 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 29.9929, 0.2683, 0.4078 by changing the saturation by 10% instead.


 29.9929, 0.2683,
0.4078


 29.9929, 0.2683,
0.4078


301.8714, 0.2930,
0.3635


 19.8332, 0.2611,
0.4208


 59.6510, 0.2780,
0.3904


 12.2739, 0.2513,
0.4389


 79.9181, 0.2814,
0.3842

 6.9305, 0.2368,
0.4655


 104.3232, 0.2842,
0.3792

 3.4187, 0.2139,
0.5087

 133.2506, 0.2865,
0.3750

 1.3540, 0.1342,
0.6427

 167.0847, 0.2885,
0.3715

 0.1825, 0.0000,
1.0000

206.2099, 0.2902,

 0.0000, 0.0000,

0.3685

0.0000

251.0107, 0.2917,
0.3658

■ 29.9929, 0.2683,
0.4078

■ 29.9929, 0.2683,
0.4078

■ 29.2935, 0.2647,
0.4243

■ 30.8778, 0.2735,
0.3918

■ 28.7613, 0.2630,
0.4411

■ 31.9577, 0.2801,
0.3767

■ 28.3800, 0.2633,
0.4576

■ 33.2459, 0.2878,
0.3626

■ 28.1187, 0.2653,
0.4738

■ 34.7531, 0.2962,
0.3497

■ 28.0805, 0.2657,
0.4764

■ 36.4896, 0.3051,
0.3379

■ 38.4649, 0.3142,
0.3274

■ 40.6879, 0.3234,
0.3180

■ 43.1671, 0.3325,
0.3096

■ 45.9105, 0.3414,
0.3023

Harmonies

Analogous

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



29.9929, 0.3310, 0.4472



29.9929, 0.2683, 0.4078



29.9929, 0.2206, 0.3405

Triad

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



29.9929, 0.2683, 0.4078



29.9929, 0.2309, 0.2268



29.9929, 0.4430, 0.3576

Complementary

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



29.9929, 0.2683, 0.4078



13.5206, 0.4079, 0.2660

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.



29.9929, 0.4113, 0.3081



29.9929, 0.2683, 0.4078



29.9929, 0.2833, 0.2366

Square

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



29.9929, 0.2683, 0.4078



29.9929, 0.2017, 0.2398



29.9929, 0.3501, 0.2654



29.9929, 0.4343, 0.4063

Rectangle

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



29.9929, 0.2683, 0.4078



29.9929, 0.2025, 0.2969



29.9929, 0.3501, 0.2654



29.9929, 0.4368, 0.3408

Sweetspot

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



29.9941, 0.2683, 0.4078



63.0938, 0.2962, 0.3496



31.0854, 0.3384, 0.4943



13.9372, 0.2938, 0.3531



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.



29.9941, 0.2683, 0.4078



52.8570, 0.2640, 0.4292



29.0011, 0.2390, 0.3175



8.4763, 0.3042, 0.3390



21.7860, 0.2653, 0.4749



0.5400, 0.2503, 0.4211

Inverse Universe

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



13.5206, 0.4079, 0.2660



20.1286, 0.4420, 0.2578



13.6420, 0.4808, 0.3389



7.5943, 0.3221, 0.3193



6.6574, 0.5200, 0.2638



0.1723, 0.4389, 0.2192

Previews

White Background



This preview shows how the Yxy color 29.9929, 0.2683, 0.4078 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 29.9929, 0.2683, 0.4078 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 29.9929, 0.2683, 0.4078

Background



This preview shows how black text looks on a background with the Yxy color 29.9929, 0.2683, 0.4078.



This preview shows how white text looks on a background with the Yxy color 29.9929, 0.2683, 0.4078.

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

29.9929, 0.2683, 0.4078

Protanopia

29.6867, 0.3564, 0.3808

Deuteranopia

29.3660, 0.3562, 0.3487



Tritanopia

30.0900, 0.2434, 0.3069

Trichromacy



Original Color

29.9929, 0.2683, 0.4078

Protanomaly

29.1863, 0.3175, 0.3928

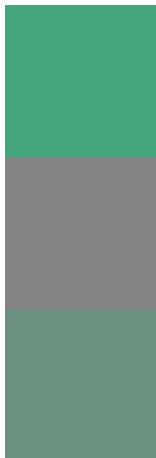
Deuteranomaly

28.6521, 0.3169, 0.3695

Tritanomaly

29.8695, 0.2520, 0.3412

Monochromacy



Original Color

29.9929, 0.2683, 0.4078

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.7827, 0.2912, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9929, 0.2683, 0.4078 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(69, 166, 124)` looks like.

```
.text, #text, p{  
    color:rgb(69, 166, 124)  
}
```

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(69, 166, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 166, 124) }
```

Border

The CSS property to change the border of an element to Yxy 29.9929, 0.2683, 0.4078 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(69, 166, 124) }
```

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

```
.border{ border-color:rgb(69, 166, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 166, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 166, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 166, 124);  
box-shadow:4px 4px 4px 4px rgb(69, 166,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9929, 0.2683, 0.4078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 166, 124) }
```

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

```
.background{ background-color: rgb(69, 166,  
124) }
```

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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