

Converting Colors

$Y_{xy}(29.7196, 0.2936, 0.3938)$

Have a look what the booklet for
Yxy(29.7196, 0.2936, 0.3938)
contains.

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Color

$Y_{xy}(29.6610, 0.2936, 0.3932)$

Conversions

Conversions Part 1

Format	Color
Hex	6AA07C
RGB	106, 160, 124
RGB Percent	42%, 63%, 49%
CMY	0.5845, 0.3725, 0.5137
CMYK	0.34, 0.00, 0.23, 0.37
HSL	140°, 22%, 52%
HSV	140°, 34%, 63%
XYZ	22.1477, 29.6610, 23.6262
YIQ	139.7500, -20.6280, -22.6440

Conversions

Conversions Part 2

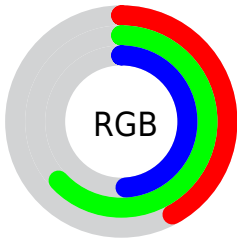
Format	Color
RYB	106, 147, 160
Decimal	6987900
CIELab	61.36, -25.77, 13.20
CIELCh	61, 28.953, 152.882
Yxy	29.6610, 0.2936, 0.3932
Android (android.graphics.Color)	4285177980 (0xFF6AA07C)
YUV	139.7500, -7.7648, -29.5987
Hunter-Lab	54.4619, -22.7189, 12.4027

Details

The Yxy color $29.6610, 0.2936, 0.3932$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $19.7233, 0.3391, 0.2726$, and the grayscale version is $26.1561, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.1461, 0.2978, 0.3786$, and $12.0739, 0.2860, 0.4179$ is the 20% darker color. If you saturate the color by 10%, you get $28.5170, 0.2889, 0.4164$, and if you desaturate by 10%, it is $31.0195, 0.2989, 0.3718$.

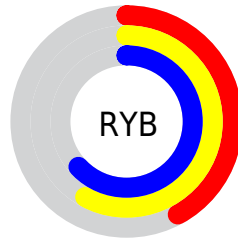
Distribution



Red (42%)

Green (63%)

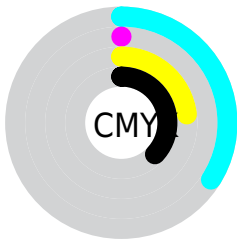
Blue (49%)



Red (42%)

Yellow (58%)

Blue (63%)

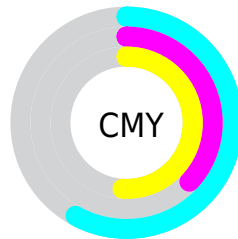


Cyan (34%)

Magenta (0%)

Yellow (23%)

Black (37%)



Cyan (58%)


Magenta (37%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6610, 0.2936, 0.3932 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 29.6610, 0.2936, 0.3932 by changing the saturation by 10% instead.


 29.6610, 0.2936,
0.3932


 29.6610, 0.2936,
0.3932


300.3211, 0.3045,
0.3574

 19.5814, 0.2903,
0.4036


 59.1257, 0.2980,
0.3791


 12.0911, 0.2856,
0.4181

 79.2795, 0.2995,
0.3742

 6.8058, 0.2786,
0.4394


 103.5603, 0.3007,
0.3701

 3.3409, 0.2669,
0.4738

 132.3523, 0.3017,
0.3667

 1.3122, 0.2435,
0.5643

166.0400, 0.3026,
0.3638

 0.1506, 0.0000,
1.0000

205.0078, 0.3033,

 0.0000, 0.0000,

0.3614

0.0000

249.6400, 0.3040,
0.3592

■ 29.6610, 0.2936,
0.3932

■ 29.6610, 0.2936,
0.3932

■ 28.5170, 0.2889,
0.4164

■ 31.0195, 0.2989,
0.3718

■ 27.5727, 0.2851,
0.4410

■ 32.5991, 0.3046,
0.3524

■ 26.8171, 0.2825,
0.4663


■ 34.4106, 0.3105,
0.3351

■ 26.2368, 0.2814,
0.4914


■ 36.4631, 0.3163,
0.3197

■ 25.8162, 0.2820,
0.5154

■ 38.7651, 0.3220,
0.3062


 25.5371, 0.2842,
0.5370

 41.3247, 0.3275,
0.2943

 25.4073, 0.2859,
0.5492

 44.1497, 0.3328,
0.2840

 47.2476, 0.3377,
0.2750

 50.6253, 0.3424,
0.2671

Harmonies

Analogous

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



29.6610, 0.3401, 0.4136



29.6610, 0.2936, 0.3932



29.6610, 0.2541, 0.3510

Triad

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



29.6610, 0.2936, 0.3932



29.6610, 0.2454, 0.2548



29.6610, 0.4018, 0.3423

Complementary

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



29.6610, 0.2936, 0.3932



19.7233, 0.3391, 0.2726

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.



29.6610, 0.3726, 0.3055



29.6610, 0.2936, 0.3932



29.6610, 0.2805, 0.2570

Square

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



29.6610, 0.2936, 0.3932



29.6610, 0.2281, 0.2709



29.6610, 0.3271, 0.2752



29.6610, 0.4045, 0.3788

Rectangle

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



29.6610, 0.2936, 0.3932



29.6610, 0.2366, 0.3196



29.6610, 0.3271, 0.2752



29.6610, 0.3948, 0.3297

Sweetspot

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



29.6622, 0.2936, 0.3932



60.3135, 0.3067, 0.3459



31.9356, 0.3434, 0.4166



13.1353, 0.3060, 0.3483



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.6622, 0.2936, 0.3932



52.1552, 0.2898, 0.4116



30.4414, 0.2725, 0.3443



7.4358, 0.3073, 0.3443



19.7957, 0.2854, 0.5475



0.3614, 0.2637, 0.4692

Inverse Universe

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



19.7233, 0.3391, 0.2726



31.1421, 0.3475, 0.2593



19.0084, 0.3763, 0.3146



6.7169, 0.3186, 0.3142



6.6501, 0.4250, 0.2115



0.1264, 0.3748, 0.1839

Previews

White Background



This preview shows how the Yxy color 29.6610, 0.2936, 0.3932 looks on a white background.

Color Contrast Check

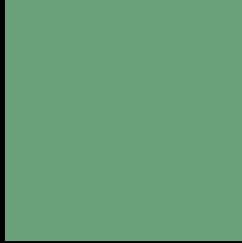
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6610, 0.2936, 0.3932 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 29.6610, 0.2936, 0.3932

Background



This preview shows how black text looks on a background with the Yxy color 29.6610, 0.2936, 0.3932.



This preview shows how white text looks on a background with the Yxy color 29.6610, 0.2936, 0.3932.

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

29.6610, 0.2936, 0.3932

Protanopia

29.3435, 0.3526, 0.3748

Deuteranopia

29.3395, 0.3573, 0.3502



Tritanopia

29.5461, 0.2665, 0.3076

Trichromacy



Original Color

29.6610, 0.2936, 0.3932

Protanomaly

29.2158, 0.3285, 0.3824

Deuteranomaly

29.1382, 0.3309, 0.3648

Tritanomaly

29.4560, 0.2767, 0.3374

Monochromacy



Original Color

29.6610, 0.2936, 0.3932

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.1779, 0.3055, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6610, 0.2936, 0.3932 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(106, 160, 124)` looks like.

```
.text, #text, p{  
    color:rgb(106, 160, 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(106, 160, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 160, 124) }
```

Border

The CSS property to change the border of an element to Yxy 29.6610, 0.2936, 0.3932 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(106, 160, 124) }
```

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

```
.border{ border-color:rgb(106, 160, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 160, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 160, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 160, 124);  
box-shadow:4px 4px 4px 4px rgb(106, 160,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6610, 0.2936, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 160, 124) }
```

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

```
.background{ background-color: rgb(106,  
160, 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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