

Converting Colors

$Y_{xy}(30.1375, 0.2957, 0.4229)$

Have a look what the booklet for
Yxy(30.1375, 0.2957, 0.4229)
contains.

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Color

Yxy(30.2622, 0.2957, 0.4236)

Conversions

Conversions Part 1

Format	Color
Hex	61A470
RGB	97, 164, 112
RGB Percent	38%, 64%, 44%
CMY	0.6198, 0.3568, 0.5608
CMYK	0.41, 0.00, 0.32, 0.36
HSL	133°, 27%, 51%
HSV	133°, 41%, 64%
XYZ	21.1250, 30.2622, 20.0534
YIQ	138.0390, -23.2400, -30.3760

Conversions

Conversions Part 2

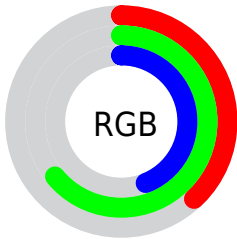
Format	Color
RYB	97, 152, 164
Decimal	6399088
CIELab	61.88, -32.82, 20.49
CIELCh	62, 38.688, 148.028
Yxy	30.2622, 0.2957, 0.4236
Android (android.graphics.Color)	4284589168 (0xFF61A470)
YUV	138.0390, -12.8372, -35.9912
Hunter-Lab	55.0111, -27.7231, 16.8946

Details

The Yxy color **30.2622, 0.2957, 0.4236** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.6022, 0.3365, 0.2504**, and the grayscale version is **25.4835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8274, 0.2999, 0.4022**, and **12.5164, 0.2871, 0.4606** is the 20% darker color. If you saturate the color by 10%, you get **29.1907, 0.2925, 0.4519**, and if you desaturate by 10%, it is **31.5625, 0.2995, 0.3969**.

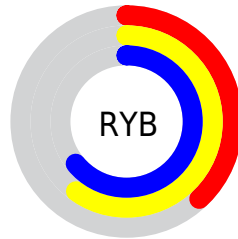
Distribution



Red (38%)

Green (64%)

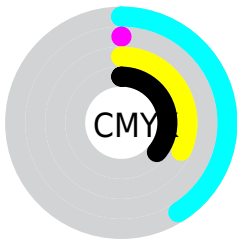
Blue (44%)



Red (38%)

Yellow (60%)

Blue (64%)

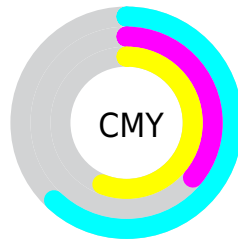


Cyan (41%)

Magenta (0%)

Yellow (32%)

Black (36%)



Cyan (62%)


Magenta (36%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2622, 0.2957, 0.4236 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 30.2622, 0.2957, 0.4236 by changing the saturation by 10% instead.


 30.2622, 0.2957,
0.4236


 30.2622, 0.2957,
0.4236


303.1247, 0.3062,
0.3703


 20.0377, 0.2922,
0.4393


 60.0766, 0.3001,
0.4026

 12.4224, 0.2870,
0.4610


 80.4353, 0.3016,
0.3952

 7.0321, 0.2787,
0.4931


 104.9408, 0.3027,
0.3892

 3.4822, 0.2639,
0.5444

 133.9775, 0.3037,
0.3841

 1.3883, 0.2443,
0.7557

167.9299, 0.3045,
0.3799

 0.2081, 0.0000,
1.0000

207.1823, 0.3051,

 0.0000, 0.0000,

0.3762

0.0000

252.1191, 0.3057,
0.3731

■ 30.2622, 0.2957,
0.4236

■ 30.2622, 0.2957,
0.4236

■ 29.1907, 0.2925,
0.4519

■ 31.5625, 0.2995,
0.3969

■ 28.3309, 0.2903,
0.4808

■ 33.1000, 0.3037,
0.3724

■ 27.6696, 0.2892,
0.5092

■ 34.8872, 0.3080,
0.3503

■ 27.1901, 0.2894,
0.5353

■ 36.9347, 0.3123,
0.3306

■ 26.8730, 0.2909,
0.5578

■ 39.2523, 0.3166,
0.3134

 26.6877, 0.2929,
0.5744

 41.8495, 0.3206,
0.2983

 44.7353, 0.3245,
0.2852

 47.9182, 0.3281,
0.2738

 51.4064, 0.3315,
0.2639

Harmonies

Analogous

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



30.2622, 0.3565, 0.4433



30.2622, 0.2957, 0.4236



30.2622, 0.2425, 0.3683

Triad

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



30.2622, 0.2957, 0.4236



30.2622, 0.2202, 0.2344



30.2622, 0.4273, 0.3362

Complementary

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



30.2622, 0.2957, 0.4236



18.6022, 0.3365, 0.2504

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.



30.2622, 0.3832, 0.2907



30.2622, 0.2957, 0.4236



30.2622, 0.2612, 0.2346

Square

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



30.2622, 0.2957, 0.4236



30.2622, 0.2025, 0.2574



30.2622, 0.3204, 0.2548



30.2622, 0.4358, 0.3839

Rectangle

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



30.2622, 0.2957, 0.4236



30.2622, 0.2180, 0.3249



30.2622, 0.3204, 0.2548



30.2622, 0.4160, 0.3204

Sweetspot

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



30.2635, 0.2957, 0.4236



62.8557, 0.3074, 0.3531



33.8524, 0.3573, 0.4333



13.6518, 0.3069, 0.3557



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.



30.2635, 0.2957, 0.4236



53.1485, 0.2928, 0.4491



31.1385, 0.2710, 0.3620



7.9199, 0.3087, 0.3469



20.4655, 0.2925, 0.5729



0.4365, 0.2745, 0.5081

Inverse Universe

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



18.6022, 0.3365, 0.2504



29.0618, 0.3435, 0.2341



17.6930, 0.3843, 0.2991



7.1749, 0.3170, 0.3117



7.2382, 0.3858, 0.1899



0.1584, 0.3583, 0.1747

Previews

White Background



This preview shows how the Yxy color 30.2622, 0.2957, 0.4236 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.2622, 0.2957, 0.4236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

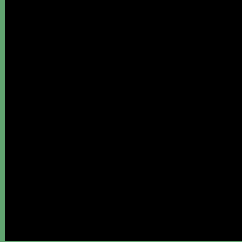
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2622, 0.2957, 0.4236

Background



This preview shows how black text looks on a background with the Yxy color 30.2622, 0.2957, 0.4236.



This preview shows how white text looks on a background with the Yxy color 30.2622, 0.2957, 0.4236.

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

30.2622, 0.2957, 0.4236

Protanopia

29.9884, 0.3683, 0.3974

Deuteranopia

29.9279, 0.3745, 0.3676



Tritanopia

30.2297, 0.2610, 0.3092

Trichromacy



Original Color

30.2622, 0.2957, 0.4236

Protanomaly

29.5123, 0.3382, 0.4061

Deuteranomaly

29.4820, 0.3421, 0.3877

Tritanomaly

30.2830, 0.2740, 0.3495

Monochromacy



Original Color

30.2622, 0.2957, 0.4236

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.6634, 0.3051, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2622, 0.2957, 0.4236 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(97, 164, 112)` looks like.

```
.text, #text, p{  
    color:rgb(97, 164, 112)  
}
```

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(97, 164, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 164, 112) }
```

Border

The CSS property to change the border of an element to Yxy 30.2622, 0.2957, 0.4236 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(97, 164, 112) }
```

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

```
.border{ border-color:rgb(97, 164, 112) }
```

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

Here you see how a box with a 4 pixel rgb(97, 164, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 164, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 164, 112);  
box-shadow:4px 4px 4px 4px rgb(97, 164,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2622, 0.2957, 0.4236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 164, 112) }
```

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

```
.background{ background-color: rgb(97, 164,  
112) }
```

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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