

Converting Colors

$Y_{xy}(30.7825, 0.3143, 0.4110)$

Have a look what the booklet for
Yxy(30.7825, 0.3143, 0.4110)
contains.

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Color

Yxy(30.6977, 0.3144, 0.4102)

Conversions

Conversions Part 1

Format	Color
Hex	78A172
RGB	120, 161, 114
RGB Percent	47%, 63%, 45%
CMY	0.5294, 0.3686, 0.5529
CMYK	0.25, 0.00, 0.29, 0.37
HSL	112°, 20%, 54%
HSV	112°, 29%, 63%
XYZ	23.5284, 30.6977, 20.6098
YIQ	143.3830, -9.3490, -23.3090

Conversions

Conversions Part 2

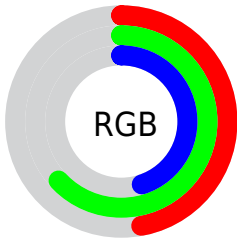
Format	Color
RYB	114, 161, 155
Decimal	7905650
CIELab	62.25, -23.35, 20.08
CIElCh	62, 30.795, 139.296
Yxy	30.6977, 0.3144, 0.4102
Android (android.graphics.Color)	4286095730 (0xFF78A172)
YUV	143.3830, -14.4858, -20.5069
Hunter-Lab	55.4055, -21.1581, 16.7291

Details

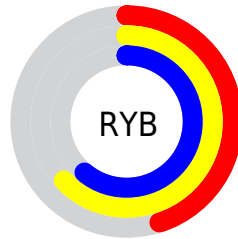
The Yxy color **30.6977, 0.3144, 0.4102** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.5829, 0.3089, 0.2567**, and the grayscale version is **27.6921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7491, 0.3147, 0.3928**, and **12.6327, 0.3125, 0.4397** is the 20% darker color. If you saturate the color by 10%, you get **29.4320, 0.3144, 0.4430**, and if you desaturate by 10%, it is **32.1780, 0.3141, 0.3796**.

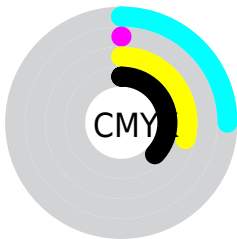
Distribution



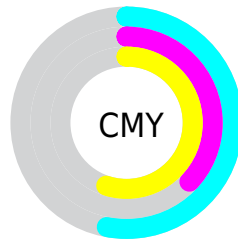
- Red (47%)
- Green (63%)
- Blue (45%)



- Red (45%)
- Yellow (63%)
- Blue (61%)



- Cyan (25%)
- Magenta (0%)
- Yellow (29%)
- Black (37%)




- Cyan (53%)
- Magenta (37%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6977, 0.3144, 0.4102 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 30.6977, 0.3144, 0.4102 by changing the saturation by 10% instead.


 30.6977, 0.3144,
0.4102


 30.6977, 0.3144,
0.4102


305.1432, 0.3145,
0.3650

 20.3688, 0.3139,
0.4232


 60.7638, 0.3147,
0.3925


 12.6634, 0.3129,
0.4412


 81.2698, 0.3148,
0.3863

 7.1972, 0.3107,
0.4672


 105.9369, 0.3148,
0.3812

 3.5857, 0.3056,
0.5083

 135.1495, 0.3147,
0.3769

 1.4446, 0.3216,
0.6459

169.2921, 0.3147,
0.3732

 0.2493, 0.0000,
1.0000

208.7489, 0.3146,

 0.0000, 0.0000,

0.3701

0.0000

253.9045, 0.3146,
0.3674

■ 30.6977, 0.3144,
0.4102

■ 30.6977, 0.3144,
0.4102

■ 29.4320, 0.3144,
0.4430

■ 32.1780, 0.3141,
0.3796

■ 28.3671, 0.3139,
0.4770

■ 33.8782, 0.3134,
0.3518

■ 27.4939, 0.3128,
0.5103

■ 35.8080, 0.3126,
0.3271

■ 26.8008, 0.3111,
0.5409

■ 37.9757, 0.3117,
0.3053

■ 26.2750, 0.3088,
0.5663

■ 40.3890, 0.3108,
0.2863

■ 25.9021, 0.3062,
0.5847

■ 43.0553, 0.3098,
0.2698

■ 25.6601, 0.3038,
0.5962

■ 45.9817, 0.3089,
0.2555

■ 25.6446, 0.3037,
0.5971

■ 49.1749, 0.3079,
0.2430

■ 52.3865, 0.3100,
0.2355

Harmonies

Analogous

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



30.6977, 0.3623, 0.4179



30.6977, 0.3144, 0.4102



30.6977, 0.2682, 0.3741

Triad

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



30.6977, 0.3144, 0.4102



30.6977, 0.2315, 0.2563



30.6977, 0.3956, 0.3248

Complementary

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



30.6977, 0.3144, 0.4102



21.5829, 0.3089, 0.2567

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.



30.6977, 0.3551, 0.2888



30.6977, 0.3144, 0.4102



30.6977, 0.2602, 0.2504

Square

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



30.6977, 0.3144, 0.4102



30.6977, 0.2228, 0.2818



30.6977, 0.3047, 0.2623



30.6977, 0.4117, 0.3641

Rectangle

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



30.6977, 0.3144, 0.4102



30.6977, 0.2444, 0.3413



30.6977, 0.3047, 0.2623



30.6977, 0.3843, 0.3121

Sweetspot

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



30.6990, 0.3144, 0.4102



60.6750, 0.3134, 0.3518



32.1483, 0.3581, 0.3914



13.2098, 0.3135, 0.3554



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.



30.6990, 0.3144, 0.4102



53.4658, 0.3144, 0.4313



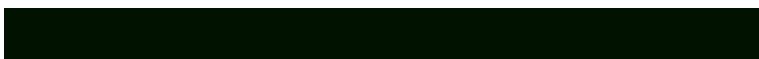
30.7147, 0.2947, 0.3804



7.9362, 0.3134, 0.3521



20.4914, 0.3040, 0.5968



0.4424, 0.3200, 0.5842

Inverse Universe

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



21.5829, 0.3089, 0.2567



34.4426, 0.3077, 0.2405



21.6229, 0.3365, 0.2828



7.1563, 0.3118, 0.3067



6.5557, 0.2896, 0.1369



0.1497, 0.3017, 0.1436

Previews

White Background



This preview shows how the Yxy color 30.6977, 0.3144, 0.4102 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 30.6977, 0.3144, 0.4102 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 30.6977, 0.3144, 0.4102

Background



This preview shows how black text looks on a background with the Yxy color 30.6977, 0.3144, 0.4102.



This preview shows how white text looks on a background with the Yxy color 30.6977, 0.3144, 0.4102.

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

30.6977, 0.3144, 0.4102

Protanopia

30.4939, 0.3650, 0.3924

Deuteranopia

30.3685, 0.3741, 0.3674



Tritanopia

30.5683, 0.2782, 0.3083

Trichromacy



Original Color

30.6977, 0.3144, 0.4102

Protanomaly

30.3699, 0.3450, 0.3987

Deuteranomaly

30.0656, 0.3504, 0.3812

Tritanomaly

30.6877, 0.2913, 0.3438

Monochromacy



Original Color

30.6977, 0.3144, 0.4102

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.6295, 0.3144, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6977, 0.3144, 0.4102 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(120, 161, 114)` looks like.

```
.text, #text, p{  
    color:rgb(120, 161, 114)  
}
```

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(120, 161, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 161, 114) }
```

Border

The CSS property to change the border of an element to Yxy 30.6977, 0.3144, 0.4102 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(120, 161, 114) }
```

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

```
.border{ border-color:rgb(120, 161, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 161, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 161, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 161, 114);  
box-shadow:4px 4px 4px 4px rgb(120, 161,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6977, 0.3144, 0.4102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 161, 114) }
```

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

```
.background{ background-color: rgb(120,  
161, 114) }
```

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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