

Converting Colors

$Yxy(30.4710, 0.3207, 0.4218)$

Have a look what the booklet for
Yxy(30.4710, 0.3207, 0.4218)
contains.

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Color

Yxy(30.6162, 0.3212, 0.4223)

Conversions

Conversions Part 1

Format	Color
Hex	79A16B
RGB	121, 161, 107
RGB Percent	47%, 63%, 42%
CMY	0.5254, 0.3686, 0.5803
CMYK	0.25, 0.00, 0.34, 0.37
HSL	104°, 22%, 53%
HSV	104°, 34%, 63%
XYZ	23.2866, 30.6162, 18.5959
YIQ	142.8840, -6.5060, -25.2740

Conversions

Conversions Part 2

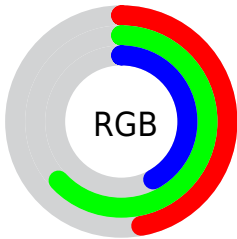
Format	Color
RYB	107, 161, 147
Decimal	7971179
CIELab	62.18, -24.13, 23.83
CIELCh	62, 33.913, 135.350
Yxy	30.6162, 0.3212, 0.4223
Android (android.graphics.Color)	4286161259 (0xFF79A16B)
YUV	142.8840, -17.6908, -19.1923
Hunter-Lab	55.3319, -21.7086, 18.8062

Details

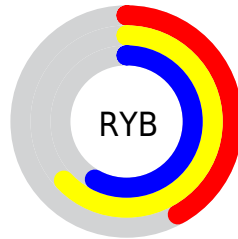
The Yxy color **30.6162, 0.3212, 0.4223** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.2941, 0.2995, 0.2436**, and the grayscale version is **27.4959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6136, 0.3200, 0.4018**, and **12.5926, 0.3215, 0.4571** is the 20% darker color. If you saturate the color by 10%, you get **29.5005, 0.3227, 0.4544**, and if you desaturate by 10%, it is **31.9041, 0.3191, 0.3917**.

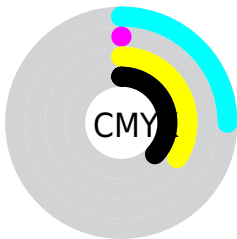
Distribution



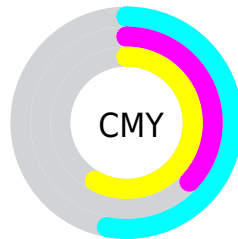
- Red (47%)
- Green (63%)
- Blue (42%)



- Red (42%)
- Yellow (63%)
- Blue (58%)



- Cyan (25%)
- Magenta (0%)
- Yellow (34%)
- Black (37%)





- Cyan (53%)
- Magenta (37%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.6162, 0.3212, 0.4223 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 30.6162, 0.3212, 0.4223 by changing the saturation by 10% instead.


 30.6162, 0.3212,
0.4223


 30.6162, 0.3212,
0.4223


304.7662, 0.3180,
0.3703

 20.3068, 0.3214,
0.4373

 60.6353, 0.3204,
0.4020


 12.6182, 0.3213,
0.4578


 81.1138, 0.3200,
0.3948

 7.1662, 0.3199,
0.4876


 105.7507, 0.3196,
0.3889

 3.5663, 0.3153,
0.5338

 134.9305, 0.3192,
0.3839

 1.4340, 0.3258,
0.6742

169.0376, 0.3188,
0.3798

 0.2416, 0.0000,
1.0000

208.4563, 0.3185,

 0.0000, 0.0000,

0.3762

0.0000

253.5710, 0.3182,
0.3730

■ 30.6162, 0.3212,
0.4223

■ 30.6162, 0.3212,
0.4223

■ 29.5005, 0.3227,
0.4544

■ 31.9041, 0.3191,
0.3917

■ 28.5457, 0.3233,
0.4868

■ 33.3672, 0.3165,
0.3632

■ 27.7451, 0.3228,
0.5178


■ 35.0133, 0.3137,
0.3375


■ 27.0902, 0.3210,
0.5454


■ 36.8485, 0.3109,
0.3144


■ 26.5712, 0.3180,
0.5676


■ 38.8788, 0.3080,
0.2939


 26.1771, 0.3140,
0.5833

 41.1098, 0.3052,
0.2759

 25.9766, 0.3114,
0.5909

 43.5468, 0.3025,
0.2601

 46.1950, 0.3000,
0.2462

 49.0594, 0.2976,
0.2340

Harmonies

Analogous

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



30.6162, 0.3731, 0.4256



30.6162, 0.3212, 0.4223



30.6162, 0.2696, 0.3857

Triad

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



30.6162, 0.3212, 0.4223



30.6162, 0.2214, 0.2517



30.6162, 0.3996, 0.3184

Complementary

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



30.6162, 0.3212, 0.4223



19.2941, 0.2995, 0.2436

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.



30.6162, 0.3522, 0.2804



30.6162, 0.3212, 0.4223



30.6162, 0.2498, 0.2429

Square

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



30.6162, 0.3212, 0.4223



30.6162, 0.2150, 0.2819



30.6162, 0.2965, 0.2535



30.6162, 0.4213, 0.3611

Rectangle

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



30.6162, 0.3212, 0.4223



30.6162, 0.2421, 0.3497



30.6162, 0.2965, 0.2535



30.6162, 0.3859, 0.3049

Sweetspot

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



30.6175, 0.3212, 0.4223



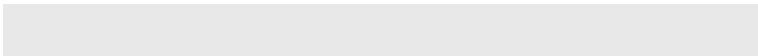
60.7075, 0.3156, 0.3543



29.3829, 0.3685, 0.3906



13.2313, 0.3160, 0.3578



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.



30.6175, 0.3212, 0.4223



53.3603, 0.3224, 0.4454



29.9626, 0.2981, 0.4027



7.9797, 0.3153, 0.3519



20.7645, 0.3119, 0.5905



0.4576, 0.3383, 0.5696

Inverse Universe

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



19.2941, 0.2995, 0.2436



30.0077, 0.2957, 0.2246



20.2464, 0.3319, 0.2652



7.1093, 0.3098, 0.3066



5.2207, 0.2573, 0.1191



0.1304, 0.2817, 0.1325

Previews

White Background



This preview shows how the Yxy color 30.6162, 0.3212, 0.4223 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 30.6162, 0.3212, 0.4223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

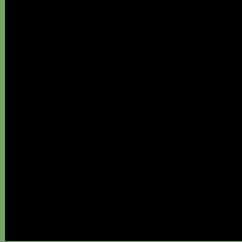
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6162, 0.3212, 0.4223

Background



This preview shows how black text looks on a background with the Yxy color 30.6162, 0.3212, 0.4223.



This preview shows how white text looks on a background with the Yxy color 30.6162, 0.3212, 0.4223.

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

30.6162, 0.3212, 0.4223

Protanopia

30.4534, 0.3730, 0.4027

Deuteranopia

30.4413, 0.3838, 0.3772



Tritanopia

30.6897, 0.2807, 0.3099

Trichromacy



Original Color

30.6162, 0.3212, 0.4223

Protanomaly

30.3137, 0.3527, 0.4098

Deuteranomaly

30.1066, 0.3595, 0.3918

Tritanomaly

30.6703, 0.2948, 0.3488

Monochromacy



Original Color

30.6162, 0.3212, 0.4223

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.5753, 0.3162, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6162, 0.3212, 0.4223 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(121, 161, 107)` looks like.

```
.text, #text, p{  
    color:rgb(121, 161, 107)  
}
```

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(121, 161, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 161, 107) }
```

Border

The CSS property to change the border of an element to Yxy 30.6162, 0.3212, 0.4223 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(121, 161, 107) }
```

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

```
.border{ border-color:rgb(121, 161, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 161, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 161, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 161, 107); box-shadow:4px 4px 4px 4px rgb(121, 161, 107) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6162, 0.3212, 0.4223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 161, 107) }
```

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

```
.background{ background-color: rgb(121,  
161, 107) }
```

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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