

Converting Colors

$Yxy(32.0435, 0.3132, 0.4491)$

Have a look what the booklet for
Yxy(32.0435, 0.3132, 0.4491)
contains.

Yxy(32.0512, 0.3129, 0.4484)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.0512, 0.3129, 0.4484)

Conversions

Conversions Part 1

Format	Color
Hex	6BA864
RGB	107, 168, 100
RGB Percent	42%, 66%, 39%
CMY	0.5804, 0.3412, 0.6079
CMYK	0.36, 0.00, 0.40, 0.34
HSL	114°, 28%, 53%
HSV	114°, 40%, 66%
XYZ	22.3658, 32.0512, 17.0620
YIQ	142.0090, -14.5280, -34.0800

Conversions

Conversions Part 2

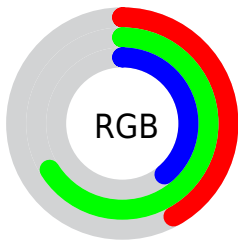
Format	Color
RYB	100, 168, 161
Decimal	7055460
CIELab	63.39, -33.49, 29.05
CIElCh	63, 44.331, 139.065
Yxy	32.0512, 0.3129, 0.4484
Android (android.graphics.Color)	4285245540 (0xFF6BA864)
YUV	142.0090, -20.7104, -30.7029
Hunter-Lab	56.6138, -28.5561, 21.7611

Details

The Yxy color **32.0512, 0.3129, 0.4484** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.5173, 0.3087, 0.2289**, and the grayscale version is **27.1420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1554, 0.3143, 0.4222**, and **13.3216, 0.3080, 0.4929** is the 20% darker color. If you saturate the color by 10%, you get **30.9060, 0.3121, 0.4828**, and if you desaturate by 10%, it is **33.4290, 0.3133, 0.4150**.

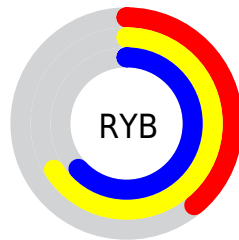
Distribution



Red (42%)

Green (66%)

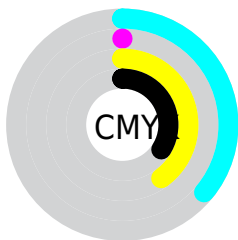
Blue (39%)



Red (39%)

Yellow (66%)

Blue (63%)

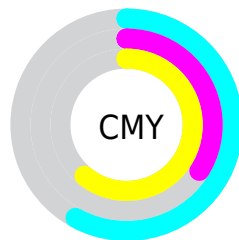


Cyan (36%)

Magenta (0%)

Yellow (40%)

Black (34%)



Cyan (58%)


Magenta (34%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0512, 0.3129, 0.4484 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 32.0512, 0.3129, 0.4484 by changing the saturation by 10% instead.


 32.0512, 0.3129,
0.4484


 32.0512, 0.3129,
0.4484


311.3524, 0.3150,
0.3816

 21.4006, 0.3113,
0.4677


 62.8913, 0.3144,
0.4223


 13.4171, 0.3083,
0.4940


 83.8497, 0.3147,
0.4130

 7.7164, 0.3025,
0.5319


 109.0127, 0.3149,
0.4054

 3.9140, 0.2904,
0.5907

 138.7649, 0.3150,
0.3991

 1.6256, 0.2666,
0.7334

173.4905, 0.3150,
0.3937

 0.3748, 0.0000,
1.0000

213.5741, 0.3151,

 0.0000, 0.0000,

0.3891

0.0000

259.3999, 0.3150,
0.3851

■ 32.0512, 0.3129,
0.4484

■ 32.0512, 0.3129,
0.4484

■ 30.9060, 0.3121,
0.4828

■ 33.4290, 0.3133,
0.4150

■ 29.9768, 0.3108,
0.5162

■ 35.0469, 0.3134,
0.3838

■ 29.2510, 0.3090,
0.5463


■ 36.9171, 0.3131,
0.3554


■ 28.7132, 0.3068,
0.5708


■ 39.0499, 0.3127,
0.3301


■ 28.3457, 0.3045,
0.5879

■ 41.4549, 0.3122,
0.3080

 28.1289, 0.3027,
0.5979

 44.1411, 0.3116,
0.2886

 47.1174, 0.3110,
0.2718

 50.3919, 0.3103,
0.2573

 53.9728, 0.3097,
0.2448

Harmonies

Analogous

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



32.0512, 0.3797, 0.4548



32.0512, 0.3129, 0.4484



32.0512, 0.2496, 0.3949

Triad

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



32.0512, 0.3129, 0.4484



32.0512, 0.2016, 0.2286



32.0512, 0.4304, 0.3202

Complementary

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



32.0512, 0.3129, 0.4484



19.5173, 0.3087, 0.2289

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.



32.0512, 0.3716, 0.2730



32.0512, 0.3129, 0.4484



32.0512, 0.2391, 0.2221

Square

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



32.0512, 0.3129, 0.4484



32.0512, 0.1903, 0.2612



32.0512, 0.2997, 0.2382



32.0512, 0.4524, 0.3727

Rectangle

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



32.0512, 0.3129, 0.4484



32.0512, 0.2178, 0.3455



32.0512, 0.2997, 0.2382



32.0512, 0.4140, 0.3035

Sweetspot

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



32.0526, 0.3129, 0.4484



66.3641, 0.3132, 0.3601



34.4111, 0.3761, 0.4171



14.3703, 0.3132, 0.3635



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.



32.0526, 0.3129, 0.4484



56.1905, 0.3121, 0.4808



32.2238, 0.2878, 0.4027



8.4433, 0.3131, 0.3522



21.2520, 0.3030, 0.5976



0.5281, 0.3156, 0.5877

Inverse Universe

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



19.5173, 0.3087, 0.2289



30.1275, 0.3071, 0.2071



19.3893, 0.3508, 0.2659



7.6268, 0.3122, 0.3066



7.0943, 0.2956, 0.1402



0.1834, 0.3045, 0.1451

Previews

White Background



This preview shows how the Yxy color 32.0512, 0.3129, 0.4484 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 32.0512, 0.3129, 0.4484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

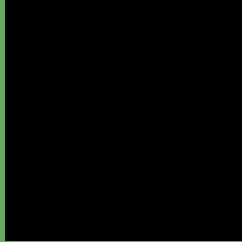
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0512, 0.3129, 0.4484

Background



This preview shows how black text looks on a background with the Yxy color 32.0512, 0.3129, 0.4484.



This preview shows how white text looks on a background with the Yxy color 32.0512, 0.3129, 0.4484.

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

32.0512, 0.3129, 0.4484

Protanopia

31.8061, 0.3845, 0.4167

Deuteranopia

31.5228, 0.3946, 0.3873



Tritanopia

31.7679, 0.2677, 0.3082

Trichromacy



Original Color

32.0512, 0.3129, 0.4484

Protanomaly

31.3180, 0.3560, 0.4286

Deuteranomaly

31.0590, 0.3623, 0.4089

Tritanomaly

31.5608, 0.2839, 0.3558

Monochromacy



Original Color

32.0512, 0.3129, 0.4484

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.3327, 0.3128, 0.3700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0512, 0.3129, 0.4484 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(107, 168, 100)` looks like.

```
.text, #text, p{  
    color:rgb(107, 168, 100)  
}
```

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(107, 168, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 168, 100) }
```

Border

The CSS property to change the border of an element to Yxy 32.0512, 0.3129, 0.4484 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(107, 168, 100) }
```

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

```
.border{ border-color:rgb(107, 168, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 168, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 168, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 168, 100);  
box-shadow:4px 4px 4px 4px rgb(107, 168,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0512, 0.3129, 0.4484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 168, 100) }
```

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

```
.background{ background-color: rgb(107,  
168, 100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor