

Converting Colors

$Yxy(32.8622, 0.3135, 0.4506)$

Have a look what the booklet for
Yxy(32.8622, 0.3135, 0.4506)
contains.

Yxy(32.8577, 0.3135, 0.4507)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.8577, 0.3135, 0.4507)

Conversions

Conversions Part 1

Format	Color
Hex	6CAA64
RGB	108, 170, 100
RGB Percent	42%, 67%, 39%
CMY	0.5766, 0.3333, 0.6079
CMYK	0.36, 0.00, 0.41, 0.33
HSL	113°, 29%, 53%
HSV	113°, 41%, 67%
XYZ	22.8553, 32.8577, 17.1907
YIQ	143.4820, -14.4820, -34.9140

Conversions

Conversions Part 2

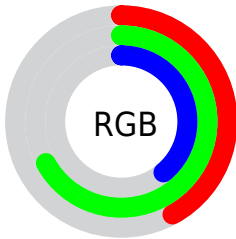
Format	Color
RYB	100, 170, 162
Decimal	7121508
CIELab	64.05, -34.10, 29.91
CIElCh	64, 45.362, 138.742
Yxy	32.8577, 0.3135, 0.4507
Android (android.graphics.Color)	4285311588 (0xFF6CAA64)
YUV	143.4820, -21.4366, -31.1177
Hunter-Lab	57.3216, -29.1413, 22.3441

Details

The Yxy color **32.8577, 0.3135, 0.4507** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.7000, 0.3077, 0.2268**, and the grayscale version is **27.7598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3411, 0.3148, 0.4241**, and **13.8113, 0.3089, 0.4953** is the 20% darker color. If you saturate the color by 10%, you get **31.6996, 0.3127, 0.4850**, and if you desaturate by 10%, it is **34.2505, 0.3138, 0.4172**.

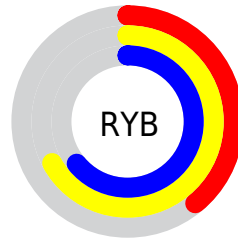
Distribution



Red (42%)

Green (67%)

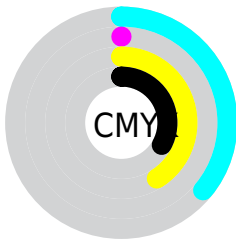
Blue (39%)



Red (39%)

Yellow (67%)

Blue (64%)

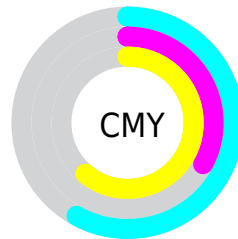


Cyan (36%)

Magenta (0%)

Yellow (41%)

Black (33%)



Cyan (58%)


Magenta (33%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8577, 0.3135, 0.4507 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 32.8577, 0.3135, 0.4507 by changing the saturation by 10% instead.


 32.8577, 0.3135,
0.4507

 32.8577, 0.3135,
0.4507


315.0080, 0.3154,
0.3828


 22.0175, 0.3119,
0.4701


 64.1533, 0.3149,
0.4242


 13.8697, 0.3090,
0.4966


 85.3774, 0.3152,
0.4148

 8.0301, 0.3032,
0.5345


 110.8317, 0.3154,
0.4071

 4.1142, 0.2911,
0.5927

 140.9004, 0.3155,
0.4007

 1.7377, 0.2708,
0.7292

175.9680, 0.3155,
0.3952

 0.4479, 0.0000,
1.0000

216.4189, 0.3155,

 0.0000, 0.0000,

0.3905

0.0000

262.6374, 0.3154,
0.3864

■ 32.8577, 0.3135,
0.4507

■ 32.8577, 0.3135,
0.4507

■ 31.6996, 0.3127,
0.4850

■ 34.2505, 0.3138,
0.4172

■ 30.7592, 0.3114,
0.5182

■ 35.8856, 0.3137,
0.3859

■ 30.0242, 0.3096,
0.5479


■ 37.7752, 0.3134,
0.3573

■ 29.4788, 0.3074,
0.5719

■ 39.9296, 0.3128,
0.3318

■ 29.1053, 0.3049,
0.5885

■ 42.3585, 0.3121,
0.3094

 28.8955, 0.3030,
0.5976

 45.0712, 0.3114,
0.2898

 48.0764, 0.3106,
0.2728

 51.3824, 0.3098,
0.2581

 54.9975, 0.3090,
0.2454

Harmonies

Analogous

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



32.8577, 0.3812, 0.4565



32.8577, 0.3135, 0.4507



32.8577, 0.2492, 0.3967

Triad

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



32.8577, 0.3135, 0.4507



32.8577, 0.1999, 0.2274



32.8577, 0.4317, 0.3194

Complementary

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



32.8577, 0.3135, 0.4507



19.7000, 0.3077, 0.2268

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.



32.8577, 0.3717, 0.2718



32.8577, 0.3135, 0.4507



32.8577, 0.2375, 0.2207

Square

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



32.8577, 0.3135, 0.4507



32.8577, 0.1888, 0.2607



32.8577, 0.2987, 0.2368



32.8577, 0.4544, 0.3725

Rectangle

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



32.8577, 0.3135, 0.4507



32.8577, 0.2169, 0.3465



32.8577, 0.2987, 0.2368



32.8577, 0.4149, 0.3026

Sweetspot

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



32.8591, 0.3135, 0.4507



68.1544, 0.3134, 0.3601



35.2519, 0.3773, 0.4186



15.0985, 0.3135, 0.3636



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.8591, 0.3135, 0.4507



57.7578, 0.3129, 0.4805



32.9900, 0.2874, 0.4043



8.4471, 0.3133, 0.3522



21.2662, 0.3034, 0.5973



0.5295, 0.3171, 0.5864

Inverse Universe

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



19.7000, 0.3077, 0.2268



30.7323, 0.3059, 0.2066



19.6476, 0.3517, 0.2647



7.6226, 0.3120, 0.3066



6.9649, 0.2929, 0.1387



0.1813, 0.3028, 0.1442

Previews

White Background



This preview shows how the Yxy color 32.8577, 0.3135, 0.4507 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 32.8577, 0.3135, 0.4507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

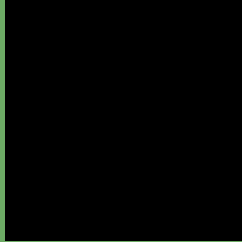
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8577, 0.3135, 0.4507

Background



This preview shows how black text looks on a background with the Yxy color 32.8577, 0.3135, 0.4507.



This preview shows how white text looks on a background with the Yxy color 32.8577, 0.3135, 0.4507.

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

32.8577, 0.3135, 0.4507

Protanopia

32.6859, 0.3854, 0.4185

Deuteranopia

32.5140, 0.3967, 0.3891



Tritanopia

32.6833, 0.2682, 0.3085

Trichromacy



Original Color

32.8577, 0.3135, 0.4507

Protanomaly

32.1892, 0.3573, 0.4305

Deuteranomaly

31.9243, 0.3636, 0.4110

Tritanomaly

32.4394, 0.2849, 0.3572

Monochromacy



Original Color

32.8577, 0.3135, 0.4507

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.0606, 0.3136, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8577, 0.3135, 0.4507 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(108, 170, 100)` looks like.

```
.text, #text, p{  
    color:rgb(108, 170, 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(108, 170, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 170, 100) }
```

Border

The CSS property to change the border of an element to Yxy 32.8577, 0.3135, 0.4507 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(108, 170, 100) }
```

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

```
.border{ border-color:rgb(108, 170, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 170, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 170, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 170, 100);  
box-shadow:4px 4px 4px 4px rgb(108, 170,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8577, 0.3135, 0.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 170, 100) }
```

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

```
.background{ background-color: rgb(108,  
170, 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](#).

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