

Converting Colors

$Y_{xy}(32.8465, 0.2934, 0.5651)$

Have a look what the booklet for
Yxy(32.8465, 0.2934, 0.5651)
contains.

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Color

Yxy(32.9944, 0.2933, 0.5652)

Conversions

Conversions Part 1

Format	Color
Hex	13B430
RGB	19, 180, 48
RGB Percent	7%, 71%, 19%
CMY	0.9258, 0.2941, 0.8118
CMYK	0.89, 0.00, 0.73, 0.29
HSL	131°, 81%, 39%
HSV	131°, 89%, 71%
XYZ	17.1218, 32.9944, 8.2603
YIQ	116.8130, -53.5840, -75.1840

Conversions

Conversions Part 2

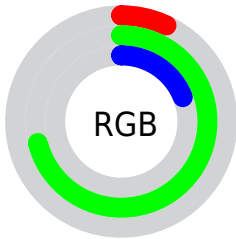
Format	Color
RYB	19, 155, 180
Decimal	1291312
CIELab	64.16, -63.12, 53.53
CIElCh	64, 82.763, 139.696
Yxy	32.9944, 0.2933, 0.5652
Android (android.graphics.Color)	4279481392 (0xFF13B430)
YUV	116.8130, -33.9248, -85.7820
Hunter-Lab	57.4408, -47.3144, 31.6823

Details

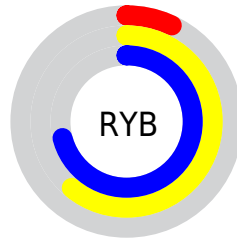
The Yxy color **32.9944, 0.2933, 0.5652** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **12.3995, 0.3656, 0.1840**, and the grayscale version is **17.8403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2944, 0.3036, 0.5130**, and **14.6672, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.7619, 0.2952, 0.5821**, and if you desaturate by 10%, it is **33.3926, 0.2921, 0.5427**.

Distribution



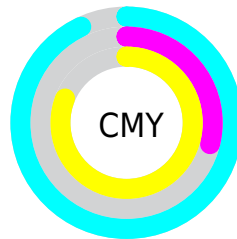
- Red (7%)
- Green (71%)
- Blue (19%)



- Red (7%)
- Yellow (61%)
- Blue (71%)



- Cyan (89%)
- Magenta (0%)
- Yellow (73%)
- Black (29%)



- Cyan (93%)
- Magenta (29%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9944, 0.2933, 0.5652 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 32.9944, 0.2933, 0.5652 by changing the saturation by 10% instead.


 32.9944, 0.2933,
0.5652


 32.9944, 0.2933,
0.5652


315.6245, 0.3127,
0.4309


 22.1222, 0.2838,
0.6026


 64.3668, 0.3035,
0.5130


 13.9467, 0.2682,
0.6515


 85.6357, 0.3063,
0.4944


 8.0836, 0.2438,
0.7227


 111.1390, 0.3083,
0.4790

 4.1485, 0.1960,
0.8040

 141.2610, 0.3097,
0.4662

 1.7570, 0.0000,
1.0000

 176.3862, 0.3108,
0.4553

 0.4601, 0.0000,
1.0000

 216.8989, 0.3116,

 0.0000, 0.0000,

0.4460

0.0000

263.1835, 0.3122,
0.4380

■ 32.9944, 0.2933,
0.5652

■ 32.9944, 0.2933,
0.5652

■ 32.7619, 0.2952,
0.5821

■ 33.3926, 0.2921,
0.5427

■ 32.7517, 0.2952,
0.5829

■ 33.9976, 0.2921,
0.5158

■ 34.8352, 0.2932,
0.4863

■ 35.9265, 0.2954,
0.4558

■ 37.2901, 0.2983,
0.4259

■ 38.9429, 0.3017,
0.3977

■ 40.9003, 0.3054,
0.3718

■ 43.1768, 0.3092,
0.3486

■ 45.7859, 0.3129,
0.3280

Harmonies

Analogous

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



32.9944, 0.4038, 0.5468



32.9944, 0.2933, 0.5652



32.9944, 0.1930, 0.4547

Triad

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



32.9944, 0.2933, 0.5652



32.9944, 0.1343, 0.1612



32.9944, 0.5296, 0.3027

Complementary

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



32.9944, 0.2933, 0.5652



12.3995, 0.3656, 0.1840

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.



32.9944, 0.4199, 0.2341



32.9944, 0.2933, 0.5652



32.9944, 0.1885, 0.1571

Square

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



32.9944, 0.2933, 0.5652



32.9944, 0.1161, 0.2025



32.9944, 0.2869, 0.1825



32.9944, 0.5549, 0.3789

Rectangle

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



32.9944, 0.2933, 0.5652



32.9944, 0.1473, 0.3477



32.9944, 0.2869, 0.1825



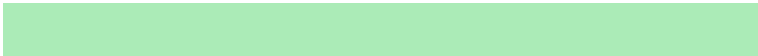
32.9944, 0.5005, 0.2788

Sweetspot

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



32.9958, 0.2933, 0.5652



71.2807, 0.3024, 0.3922



39.4793, 0.3908, 0.5211



15.1684, 0.3012, 0.4013



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



32.9958, 0.2933, 0.5652



59.3574, 0.2958, 0.5850



34.2969, 0.2545, 0.4284



9.5143, 0.3092, 0.3482



22.8644, 0.2948, 0.5812



0.7269, 0.2815, 0.5334

Inverse Universe

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



12.3995, 0.3656, 0.1840



21.4120, 0.3735, 0.1831



10.6430, 0.5312, 0.2793



8.6199, 0.3164, 0.3105



8.2631, 0.3717, 0.1821



0.2669, 0.3553, 0.1731

Previews

White Background



This preview shows how the Yxy color 32.9944, 0.2933, 0.5652 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 32.9944, 0.2933, 0.5652 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 32.9944, 0.2933, 0.5652

Background



This preview shows how black text looks on a background with the Yxy color 32.9944, 0.2933, 0.5652.



This preview shows how white text looks on a background with the Yxy color 32.9944, 0.2933, 0.5652.

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

32.9944, 0.2933, 0.5652

Protanopia

32.4870, 0.4275, 0.4731

Deuteranopia

32.4108, 0.4440, 0.4359



Tritanopia

32.9192, 0.2363, 0.3059

Trichromacy



Original Color

32.9944, 0.2933, 0.5652



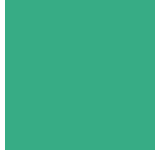
Protanomaly

30.5147, 0.3586, 0.5195



Deuteranomaly

29.7489, 0.3680, 0.4939



Tritanomaly

32.0107, 0.2575, 0.4008

Monochromacy



Original Color

32.9944, 0.2933, 0.5652



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

21.2782, 0.2974, 0.4304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9944, 0.2933, 0.5652 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(19, 180, 48)` looks like.

```
.text, #text, p{  
    color:rgb(19, 180, 48)  
}
```

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(19, 180, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 180, 48) }
```

Border

The CSS property to change the border of an element to Yxy 32.9944, 0.2933, 0.5652 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(19, 180, 48) }
```

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

```
.border{ border-color:rgb(19, 180, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 180, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 180, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 180, 48);  
box-shadow:4px 4px 4px 4px rgb(19, 180,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9944, 0.2933, 0.5652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 180, 48) }
```

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

```
.background{ background-color: rgb(19, 180,  
48) }
```

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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