

Converting Colors

$Y_{xy}(32.8719, 0.2991, 0.5849)$

Have a look what the booklet for
Yxy(32.8719, 0.2991, 0.5849)
contains.

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Color

Yxy(32.8704, 0.2992, 0.5852)

Conversions

Conversions Part 1

Format	Color
Hex	14B41B
RGB	20, 180, 27
RGB Percent	8%, 71%, 11%
CMY	0.9219, 0.2941, 0.8943
CMYK	0.89, 0.00, 0.85, 0.29
HSL	123°, 80%, 39%
HSV	123°, 89%, 71%
XYZ	16.8059, 32.8704, 6.4932
YIQ	114.7180, -46.2470, -81.5030

Conversions

Conversions Part 2

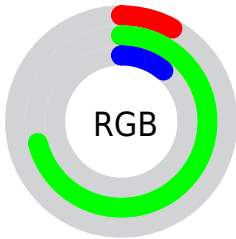
Format	Color
RYB	20, 173, 180
Decimal	1356827
CIELab	64.06, -64.43, 59.89
CIELCh	64, 87.967, 137.092
Yxy	32.8704, 0.2992, 0.5852
Android (android.graphics.Color)	4279546907 (0xFF14B41B)
YUV	114.7180, -43.2450, -83.0677
Hunter-Lab	57.3327, -48.0086, 33.4180

Details

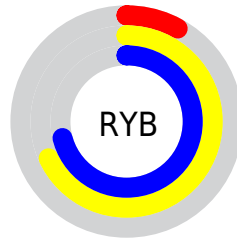
The Yxy color **32.8704, 0.2992, 0.5852** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.2168, 0.3306, 0.1642**, and the grayscale version is **17.1902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0813, 0.3098, 0.5297**, and **14.6672, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.6787, 0.2993, 0.5963**, and if you desaturate by 10%, it is **33.2386, 0.2994, 0.5662**.

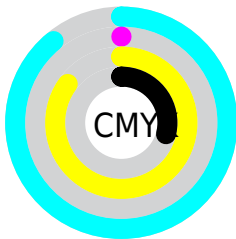
Distribution



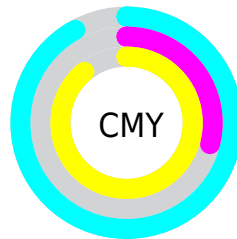
- Red (8%)
- Green (71%)
- Blue (11%)



- Red (8%)
- Yellow (68%)
- Blue (71%)



- Cyan (89%)
- Magenta (0%)
- Yellow (85%)
- Black (29%)




- Cyan (92%)
- Magenta (29%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8704, 0.2992, 0.5852 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 32.8704, 0.2992, 0.5852 by changing the saturation by 10% instead.


 32.8704, 0.2992,
0.5852


 32.8704, 0.2992,
0.5852


315.0653, 0.3177,
0.4406


 22.0272, 0.2888,
0.6242


 64.1731, 0.3098,
0.5297


 13.8769, 0.2713,
0.6737


 85.4014, 0.3126,
0.5096


 8.0351, 0.2469,
0.7531


 110.8602, 0.3144,
0.4929

 4.1174, 0.1897,
0.8103

 140.9339, 0.3157,
0.4790

 1.7395, 0.0000,
1.0000

 176.0069, 0.3165,
0.4672

 0.4490, 0.0000,
1.0000

 216.4635, 0.3171,

 0.0000, 0.0000,

0.4570

0.0000

262.6882, 0.3175,
0.4482

■ 32.8704, 0.2992,
0.5852

■ 32.8704, 0.2992,
0.5852

■ 32.6787, 0.2993,
0.5963

■ 33.2386, 0.2994,
0.5662

■ 32.6623, 0.2992,
0.5971

■ 33.8244, 0.3002,
0.5400

■ 34.6561, 0.3015,
0.5088

■ 35.7568, 0.3032,
0.4748

■ 37.1471, 0.3051,
0.4406

■ 38.8453, 0.3071,
0.4078

■ 40.8684, 0.3092,
0.3776

■ 43.2321, 0.3111,
0.3505

■ 45.9510, 0.3129,
0.3266

Harmonies

Analogous

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



32.8704, 0.4140, 0.5502



32.8704, 0.2992, 0.5852



32.8704, 0.1930, 0.4784

Triad

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



32.8704, 0.2992, 0.5852



32.8704, 0.1238, 0.1554



32.8704, 0.5357, 0.2930

Complementary

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



32.8704, 0.2992, 0.5852



13.2168, 0.3306, 0.1642

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.



32.8704, 0.4135, 0.2236



32.8704, 0.2992, 0.5852



32.8704, 0.1757, 0.1489

Square

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



32.8704, 0.2992, 0.5852



32.8704, 0.1079, 0.2011



32.8704, 0.2739, 0.1725



32.8704, 0.5687, 0.3702

Rectangle

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



32.8704, 0.2992, 0.5852



32.8704, 0.1434, 0.3619



32.8704, 0.2739, 0.1725



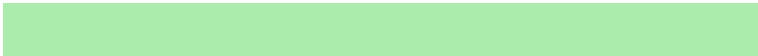
32.8704, 0.5024, 0.2687

Sweetspot

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



32.8718, 0.2992, 0.5852



70.9326, 0.3074, 0.4032



41.7709, 0.4115, 0.5048



15.0882, 0.3068, 0.4138



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.



32.8718, 0.2992, 0.5852



59.2105, 0.2994, 0.5979



33.8188, 0.2665, 0.4700



9.4960, 0.3110, 0.3515



22.7972, 0.2990, 0.5965



0.7193, 0.2950, 0.5821

Inverse Universe

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



13.2168, 0.3306, 0.1642



22.9905, 0.3324, 0.1605



11.0208, 0.4812, 0.2511



8.6401, 0.3144, 0.3075



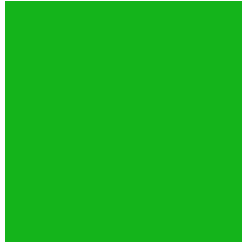
8.8558, 0.3321, 0.1603



0.2806, 0.3287, 0.1584

Previews

White Background



This preview shows how the Yxy color 32.8704, 0.2992, 0.5852 looks on a white background.

Color Contrast Check

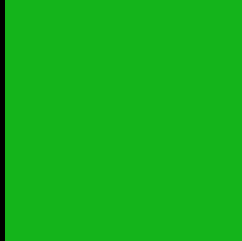
Large Text (above 18pt) WCAG AA × Fail

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 32.8704, 0.2992, 0.5852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

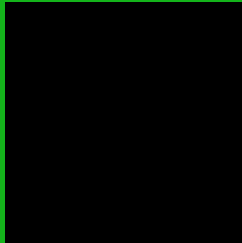
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8704, 0.2992, 0.5852

Background



This preview shows how black text looks on a background with the Yxy color 32.8704, 0.2992, 0.5852.



This preview shows how white text looks on a background with the Yxy color 32.8704, 0.2992, 0.5852.

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

32.8704, 0.2992, 0.5852

Protanopia

32.1569, 0.4375, 0.4830

Deuteranopia

32.0925, 0.4556, 0.4463



Tritanopia

32.5514, 0.2369, 0.3058

Trichromacy



Original Color

32.8704, 0.2992, 0.5852



Protanomaly

30.1039, 0.3679, 0.5348



Deuteranomaly

29.3460, 0.3786, 0.5097



Tritanomaly

31.8265, 0.2629, 0.4166

Monochromacy



Original Color

32.8704, 0.2992, 0.5852



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

20.7952, 0.3042, 0.4486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8704, 0.2992, 0.5852 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(20, 180, 27)` looks like.

```
.text, #text, p{  
    color:rgb(20, 180, 27)  
}
```

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(20, 180, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 180, 27) }
```

Border

The CSS property to change the border of an element to Yxy 32.8704, 0.2992, 0.5852 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(20, 180, 27) }
```

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

```
.border{ border-color:rgb(20, 180, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 180, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 180, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 180, 27);  
box-shadow:4px 4px 4px 4px rgb(20, 180,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8704, 0.2992, 0.5852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 180, 27) }
```

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

```
.background{ background-color: rgb(20, 180,  
27) }
```

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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