

Converting Colors

Yxy(33.6467, 0.2984, 0.5654)

Have a look what the booklet for
Yxy(33.6467, 0.2984, 0.5654)
contains.

Yxy(33.6201, 0.2982, 0.5650)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.6201, 0.2982, 0.5650)

Conversions

Conversions Part 1

Format	Color
Hex	24B52E
RGB	36, 181, 46
RGB Percent	14%, 71%, 18%
CMY	0.8589, 0.2902, 0.8195
CMYK	0.80, 0.00, 0.75, 0.29
HSL	124°, 67%, 43%
HSV	124°, 80%, 71%
XYZ	17.7443, 33.6201, 8.1402
YIQ	122.2550, -43.0850, -72.7250

Conversions

Conversions Part 2

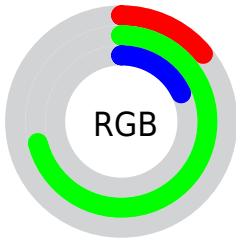
Format	Color
RYB	36, 172, 181
Decimal	2405678
CIELab	64.66, -61.91, 54.82
CIELCh	65, 82.687, 138.477
Yxy	33.6201, 0.2982, 0.5650
Android (android.graphics.Color)	4280595758 (0xFF24B52E)
YUV	122.2550, -37.5937, -75.6456
Hunter-Lab	57.9828, -46.8443, 32.2642

Details

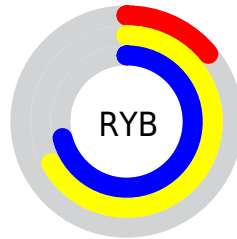
The Yxy color **33.6201, 0.2982, 0.5650** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **14.0238, 0.3344, 0.1735**, and the grayscale version is **19.6852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2768, 0.3074, 0.5130**, and **14.9217, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.2664, 0.2984, 0.5840**, and if you desaturate by 10%, it is **34.1933, 0.2987, 0.5391**.

Distribution



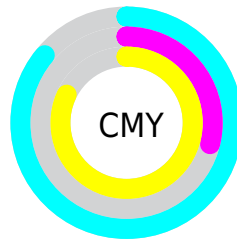
- Red (14%)
- Green (71%)
- Blue (18%)



- Red (14%)
- Yellow (67%)
- Blue (71%)



- Cyan (80%)
- Magenta (0%)
- Yellow (75%)
- Black (29%)





- Cyan (86%)
- Magenta (29%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6201, 0.2982, 0.5650 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 33.6201, 0.2982, 0.5650 by changing the saturation by 10% instead.


 33.6201, 0.2982,
0.5650


 33.6201, 0.2982,
0.5650


318.4348, 0.3152,
0.4316

 22.6019, 0.2893,
0.6017


 65.3425, 0.3075,
0.5135


 14.2998, 0.2744,
0.6494


 86.8154, 0.3100,
0.4949

 8.3295, 0.2513,
0.7189


 112.5421, 0.3117,
0.4796

 4.3065, 0.2046,
0.7954

 142.9068, 0.3129,
0.4669

 1.8465, 0.0167,
0.9833

 178.2941, 0.3138,
0.4560

 0.5159, 0.0000,
1.0000

 219.0882, 0.3144,

 0.0000, 0.0000,

0.4467

0.0000

265.6736, 0.3148,
0.4387

■ 33.6201, 0.2982,
0.5650

■ 33.6201, 0.2982,
0.5650

■ 33.2664, 0.2984,
0.5840

■ 34.1933, 0.2987,
0.5391

■ 33.0772, 0.2987,
0.5955

■ 35.0090, 0.2999,
0.5084

■ 36.0921, 0.3016,
0.4751

■ 37.4630, 0.3036,
0.4416

■ 39.1404, 0.3059,
0.4094

■ 41.1411, 0.3082,
0.3796

■ 43.4811, 0.3105,
0.3529

■ 46.1750, 0.3127,
0.3293

■ 49.2366, 0.3147,
0.3087

Harmonies

Analogous

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



33.6201, 0.4080, 0.5430



33.6201, 0.2982, 0.5650



33.6201, 0.1973, 0.4600

Triad

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



33.6201, 0.2982, 0.5650



33.6201, 0.1338, 0.1629



33.6201, 0.5252, 0.3001

Complementary

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



33.6201, 0.2982, 0.5650



14.0238, 0.3344, 0.1735

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.



33.6201, 0.4137, 0.2322



33.6201, 0.2982, 0.5650



33.6201, 0.1862, 0.1576

Square

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



33.6201, 0.2982, 0.5650



33.6201, 0.1170, 0.2060



33.6201, 0.2823, 0.1817



33.6201, 0.5542, 0.3759

Rectangle

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



33.6201, 0.2982, 0.5650



33.6201, 0.1504, 0.3538



33.6201, 0.2823, 0.1817



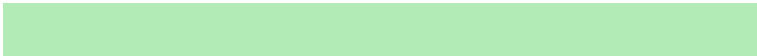
33.6201, 0.4951, 0.2764

Sweetspot

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



33.6215, 0.2982, 0.5650



72.0733, 0.3072, 0.3920



41.8723, 0.4035, 0.5011



15.3106, 0.3064, 0.4026



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.



33.6215, 0.2982, 0.5650



59.3185, 0.2989, 0.5932



34.7359, 0.2630, 0.4449



9.4993, 0.3107, 0.3509



22.8057, 0.2985, 0.5946



0.7207, 0.2923, 0.5724

Inverse Universe

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



14.0238, 0.3344, 0.1735



22.9130, 0.3385, 0.1650



11.9823, 0.4683, 0.2559



8.6364, 0.3148, 0.3081



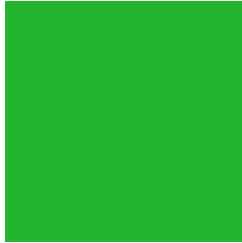
8.7376, 0.3388, 0.1640



0.2779, 0.3333, 0.1610

Previews

White Background



This preview shows how the Yxy color 33.6201, 0.2982, 0.5650 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 33.6201, 0.2982, 0.5650 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 33.6201, 0.2982, 0.5650

Background



This preview shows how black text looks on a background with the Yxy color 33.6201, 0.2982, 0.5650.



This preview shows how white text looks on a background with the Yxy color 33.6201, 0.2982, 0.5650.

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

33.6201, 0.2982, 0.5650

Protanopia

33.0441, 0.4291, 0.4734

Deuteranopia

32.9649, 0.4465, 0.4377



Tritanopia

33.5027, 0.2390, 0.3077

Trichromacy



Original Color

33.6201, 0.2982, 0.5650



Protanomaly

31.3625, 0.3660, 0.5173



Deuteranomaly

30.7263, 0.3771, 0.4919



Tritanomaly

32.7044, 0.2622, 0.4016

Monochromacy



Original Color

33.6201, 0.2982, 0.5650



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.6772, 0.3051, 0.4283

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6201, 0.2982, 0.5650 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(36, 181, 46)` looks like.

```
.text, #text, p{  
    color:rgb(36, 181, 46)  
}
```

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(36, 181, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 181, 46) }
```

Border

The CSS property to change the border of an element to Yxy 33.6201, 0.2982, 0.5650 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(36, 181, 46) }
```

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

```
.border{ border-color:rgb(36, 181, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 181, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 181, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 181, 46);  
box-shadow:4px 4px 4px 4px rgb(36, 181,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6201, 0.2982, 0.5650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 181, 46) }
```

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

```
.background{ background-color: rgb(36, 181,  
46) }
```

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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