

Converting Colors

$Y_{xy}(20.1840, 0.3033, 0.5262)$

Have a look what the booklet for
Yxy(20.1840, 0.3033, 0.5262)
contains.

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Color

Yxy(20.3240, 0.3034, 0.5267)

Conversions

Conversions Part 1

Format	Color
Hex	348E34
RGB	52, 142, 52
RGB Percent	20%, 56%, 20%
CMY	0.7963, 0.4431, 0.7960
CMYK	0.63, 0.00, 0.63, 0.44
HSL	120°, 46%, 38%
HSV	120°, 63%, 56%
XYZ	11.7074, 20.3240, 6.5560
YIQ	104.8300, -24.7500, -47.0700

Conversions

Conversions Part 2

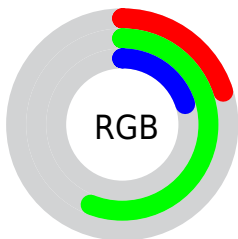
Format	Color
RYB	52, 142, 142
Decimal	3444276
CIELab	52.20, -45.19, 39.20
CIElCh	52, 59.826, 139.063
Yxy	20.3240, 0.3034, 0.5267
Android (android.graphics.Color)	4281634356 (0xFF348E34)
YUV	104.8300, -26.0452, -46.3319
Hunter-Lab	45.0821, -32.5389, 22.9353

Details

The Yxy color **20.3240, 0.3034, 0.5267** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.1546, 0.3194, 0.1879**, and the grayscale version is **14.1524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1430, 0.3103, 0.4778**, and **7.3123, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.8941, 0.3020, 0.5558**, and if you desaturate by 10%, it is **20.9073, 0.3050, 0.4935**.

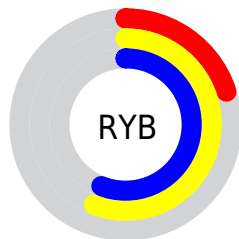
Distribution



Red (20%)

Green (56%)

Blue (20%)



Red (20%)

Yellow (56%)

Blue (56%)

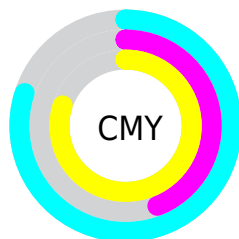


Cyan (63%)

Magenta (0%)

Yellow (63%)

Black (44%)



Cyan (80%)


Magenta (44%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3240, 0.3034, 0.5267 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 20.3240, 0.3034, 0.5267 by changing the saturation by 10% instead.


 20.3240, 0.3034,
0.5267


 20.3240, 0.3034,
0.5267


253.6638, 0.3149,
0.4069


 12.6308, 0.2959,
0.5649


 43.9597, 0.3103,
0.4772

 7.1748, 0.2818,
0.6188


 60.6710, 0.3119,
0.4605


 3.5717, 0.2663,
0.7337

 81.1571, 0.3130,
0.4471

 1.4370, 0.1117,
0.8883

 105.8025, 0.3137,
0.4361

 0.2437, 0.0000,
1.0000

 134.9914, 0.3142,
0.4270

 0.0000, 0.0000,
0.0000

 169.1083, 0.3145,

0.4193

208.5376, 0.3147,
0.4127

■ 20.3240, 0.3034,
0.5267

■ 20.3240, 0.3034,
0.5267

■ 19.8941, 0.3020,
0.5558

■ 20.9073, 0.3050,
0.4935

■ 19.6011, 0.3010,
0.5783

■ 21.6540, 0.3066,
0.4587

■ 19.4290, 0.3003,
0.5928

■ 22.5759, 0.3082,
0.4244

■ 19.3482, 0.3000,
0.5999

■ 23.6831, 0.3097,
0.3923

■ 24.9850, 0.3111,
0.3631

■ 26.4904, 0.3123,
0.3371

■ 28.2074, 0.3134,
0.3144

■ 30.1438, 0.3143,
0.2947

■ 32.3069, 0.3151,
0.2778

Harmonies

Analogous

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



20.3240, 0.4016, 0.5193



20.3240, 0.3034, 0.5267



20.3240, 0.2127, 0.4367

Triad

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



20.3240, 0.3034, 0.5267



20.3240, 0.1531, 0.1813



20.3240, 0.4969, 0.3084

Complementary

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



20.3240, 0.3034, 0.5267



10.1546, 0.3194, 0.1879

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.



20.3240, 0.4026, 0.2453



20.3240, 0.3034, 0.5267



20.3240, 0.2027, 0.1758

Square

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



20.3240, 0.3034, 0.5267



20.3240, 0.1373, 0.2219



20.3240, 0.2896, 0.1984



20.3240, 0.5246, 0.3791

Rectangle

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



20.3240, 0.3034, 0.5267



20.3240, 0.1697, 0.3500



20.3240, 0.2896, 0.1984



20.3240, 0.4712, 0.2862

Sweetspot

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



20.3248, 0.3034, 0.5267



42.6395, 0.3103, 0.3802



25.3468, 0.3987, 0.4711



9.3985, 0.3099, 0.3877



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.3248, 0.3034, 0.5267



34.8349, 0.3016, 0.5661



20.9395, 0.2712, 0.4288



6.0294, 0.3116, 0.3517



17.3700, 0.3000, 0.5999



0.1661, 0.2999, 0.5996

Inverse Universe

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



10.1546, 0.3194, 0.1879



15.3872, 0.3204, 0.1690



9.0659, 0.4051, 0.2526



5.5110, 0.3137, 0.3073



6.9143, 0.3211, 0.1542



0.0661, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 20.3240, 0.3034, 0.5267 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3240, 0.3034, 0.5267 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 × Fail

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

Yxy 20.3240, 0.3034, 0.5267

Background



This preview shows how black text looks on a background with the Yxy color 20.3240, 0.3034, 0.5267.



This preview shows how white text looks on a background with the Yxy color 20.3240, 0.3034, 0.5267.

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

20.3240, 0.3034, 0.5267

Protanopia

20.0238, 0.4154, 0.4569

Deuteranopia

20.0449, 0.4307, 0.4231



Tritanopia

20.2845, 0.2471, 0.3071

Trichromacy



Original Color

20.3240, 0.3034, 0.5267

Protanomaly

19.5802, 0.3663, 0.4868

Deuteranomaly

19.1773, 0.3754, 0.4642

Tritanomaly

19.9493, 0.2685, 0.3830

Monochromacy



Original Color

20.3240, 0.3034, 0.5267

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.6072, 0.3093, 0.4024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3240, 0.3034, 0.5267 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(52, 142, 52)` looks like.

```
.text, #text, p{  
    color:rgb(52, 142, 52)  
}
```

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(52, 142, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 142, 52) }
```

Border

The CSS property to change the border of an element to Yxy 20.3240, 0.3034, 0.5267 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(52, 142, 52) }
```

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

```
.border{ border-color:rgb(52, 142, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 142, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 142, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 142, 52);  
box-shadow:4px 4px 4px 4px rgb(52, 142,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3240, 0.3034, 0.5267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 142, 52) }
```

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

```
.background{ background-color: rgb(52, 142,  
52) }
```

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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