

Converting Colors

$Y_{xy}(14.2298, 0.2891, 0.5109)$

Have a look what the booklet for
Yxy(14.2298, 0.2891, 0.5109)
contains.

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Color

Yxy(14.2298, 0.2891, 0.5109)

Conversions

Conversions Part 1

Format	Color
Hex	207934
RGB	32, 121, 52
RGB Percent	13%, 47%, 20%
CMY	0.8746, 0.5255, 0.7961
CMYK	0.74, 0.00, 0.57, 0.53
HSL	133°, 58%, 30%
HSV	133°, 74%, 47%
XYZ	8.0521, 14.2298, 5.5705
YIQ	86.5230, -30.8950, -40.3270

Conversions

Conversions Part 2

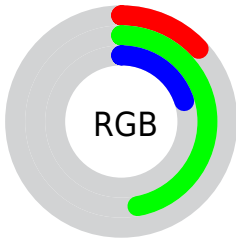
Format	Color
R_{YB}	32, 105, 121
Decimal	2128180
CIE _{Lab}	44.56, -41.44, 30.17
CIE _{LCh}	45, 51.258, 143.945
Yxy	14.2298, 0.2891, 0.5109
Android (android.graphics.Color)	4280318260 (0xFF207934)
YUV	86.5230, -17.0198, -47.8167
Hunter-Lab	37.7224, -27.9120, 17.6503

Details

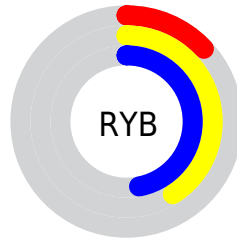
The Yxy color **14.2298, 0.2891, 0.5109** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6.0360, 0.3621, 0.2033**, and the grayscale version is **9.4638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3659, 0.2992, 0.4610**, and **4.5152, 0.2971, 0.5897** is the 20% darker color. If you saturate the color by 10%, you get **13.9949, 0.2894, 0.5362**, and if you desaturate by 10%, it is **14.5539, 0.2901, 0.4835**.

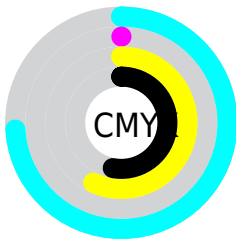
Distribution



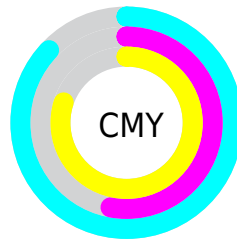
- Red (13%)
- Green (47%)
- Blue (20%)



- Red (13%)
- Yellow (41%)
- Blue (47%)



- Cyan (74%)
- Magenta (0%)
- Yellow (57%)
- Black (53%)





- Cyan (87%)
- Magenta (53%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2298, 0.2891, 0.5109 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 14.2298, 0.2891, 0.5109 by changing the saturation by 10% instead.


 14.2298, 0.2891,
0.5109


 14.2298, 0.2891,
0.5109


218.6558, 0.3080,
0.3950


 8.2807, 0.2790,
0.5527


 33.4962, 0.2990,
0.4605


 4.2751, 0.2604,
0.6168

 47.5823, 0.3016,
0.4443

 1.8286, 0.2216,
0.7784

 65.1495, 0.3035,
0.4316

 0.5049, 0.0000,
1.0000

 86.5822, 0.3049,
0.4214

 0.0000, 0.0000,
0.0000

 112.2647, 0.3060,
0.4131

 142.5816, 0.3068,

0.4061

177.9171, 0.3075,
0.4001

■ 14.2298, 0.2891,
0.5109

■ 14.2298, 0.2891,
0.5109

■ 13.9949, 0.2894,
0.5362

■ 14.5539, 0.2901,
0.4835

■ 13.8372, 0.2909,
0.5580

■ 14.9734, 0.2922,
0.4553

■ 13.7560, 0.2917,
0.5701

■ 15.4958, 0.2951,
0.4277

■ 16.1275, 0.2988,
0.4014

■ 16.8744, 0.3028,
0.3772

■ 17.7419, 0.3070,
0.3552

■ 18.7349, 0.3112,
0.3355

■ 19.8584, 0.3154,
0.3181

■ 21.1168, 0.3194,
0.3028

Harmonies

Analogous

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



14.2298, 0.3852, 0.5199



14.2298, 0.2891, 0.5109



14.2298, 0.2044, 0.4126

Triad

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



14.2298, 0.2891, 0.5109



14.2298, 0.1629, 0.1824



14.2298, 0.5001, 0.3207

Complementary

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



14.2298, 0.2891, 0.5109



6.0360, 0.3621, 0.2033

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.



14.2298, 0.4172, 0.2571



14.2298, 0.2891, 0.5109



14.2298, 0.2173, 0.1816

Square

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



14.2298, 0.2891, 0.5109



14.2298, 0.1422, 0.2162



14.2298, 0.3074, 0.2079



14.2298, 0.5158, 0.3909

Rectangle

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



14.2298, 0.2891, 0.5109



14.2298, 0.1665, 0.3304



14.2298, 0.3074, 0.2079



14.2298, 0.4788, 0.2985

Sweetspot

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



14.2304, 0.2891, 0.5109



30.3648, 0.3032, 0.3748



16.5881, 0.3797, 0.5021



6.8739, 0.3023, 0.3796



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



14.2304, 0.2891, 0.5109



24.8586, 0.2903, 0.5511



14.8229, 0.2527, 0.3929



4.4634, 0.3089, 0.3460



14.7389, 0.2918, 0.5706



70.1970, 0.2940, 0.5783

Inverse Universe

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



6.0360, 0.3621, 0.2033



9.2713, 0.3763, 0.1920



5.3942, 0.4814, 0.2840



4.0628, 0.3168, 0.3126



5.2164, 0.3850, 0.1894



24.7500, 0.3890, 0.1917

Previews

White Background



This preview shows how the Yxy color 14.2298, 0.2891, 0.5109 looks on a white 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

Black Background



This preview shows how the Yxy color 14.2298, 0.2891, 0.5109 looks on a black 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

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

Yxy 14.2298, 0.2891, 0.5109

Background



This preview shows how black text looks on a background with the Yxy color 14.2298, 0.2891, 0.5109.



This preview shows how white text looks on a background with the Yxy color 14.2298, 0.2891, 0.5109.

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

14.2298, 0.2891, 0.5109

Protanopia

14.0214, 0.4052, 0.4450

Deuteranopia

14.0090, 0.4160, 0.4097



Tritanopia

14.3054, 0.2417, 0.3081

Trichromacy



Original Color

14.2298, 0.2891, 0.5109

Protanomaly

13.5219, 0.3504, 0.4745

Deuteranomaly

13.3378, 0.3568, 0.4493

Tritanomaly

14.1900, 0.2590, 0.3792

Monochromacy



Original Color

14.2298, 0.2891, 0.5109

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.6114, 0.2998, 0.3970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2298, 0.2891, 0.5109 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(32, 121, 52)` looks like.

```
.text, #text, p{  
  color:rgb(32, 121, 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(32, 121, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 121, 52) }
```

Border

The CSS property to change the border of an element to Yxy 14.2298, 0.2891, 0.5109 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(32, 121, 52) }
```

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

```
.border{ border-color:rgb(32, 121, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 121, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 121, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 121, 52);  
box-shadow:4px 4px 4px 4px rgb(32, 121,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2298, 0.2891, 0.5109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 121, 52) }
```

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

```
.background{ background-color: rgb(32, 121,  
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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