

Converting Colors

$Y_{xy}(28.1407, 0.2962, 0.3351)$

Have a look what the booklet for
Yxy(28.1407, 0.2962, 0.3351)
contains.

Yxy(28.2064, 0.2964, 0.3356)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(28.2064, 0.2964, 0.3356)$

Conversions

Conversions Part 1

Format	Color
Hex	819591
RGB	129, 149, 145
RGB Percent	51%, 58%, 57%
CMY	0.4942, 0.4157, 0.4313
CMYK	0.13, 0.00, 0.03, 0.42
HSL	168°, 9%, 55%
HSV	168°, 13%, 58%
XYZ	24.9117, 28.2064, 30.9295
YIQ	142.5640, -10.6360, -5.4840

Conversions

Conversions Part 2

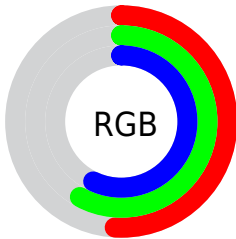
Format	Color
R_{YB}	129, 140, 149
Decimal	8492433
CIE _{Lab}	60.07, -7.93, -0.31
CIE _{LCh}	60, 7.933, 182.232
Yxy	28.2064, 0.2964, 0.3356
Android (android.graphics.Color)	4286682513 (0xFF819591)
YUV	142.5640, 1.2009, -11.8956
Hunter-Lab	53.1097, -9.2144, 2.6480

Details

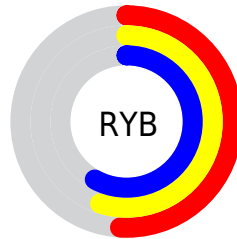
The Yxy color $28.2064, 0.2964, 0.3356$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $23.7801, 0.3319, 0.3225$, and the grayscale version is $27.2842, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.7805, 0.2997, 0.3339$, and $11.2671, 0.2908, 0.3364$ is the 20% darker color. If you saturate the color by 10%, you get $27.0345, 0.2849, 0.3411$, and if you desaturate by 10%, it is $29.5532, 0.3085, 0.3306$.

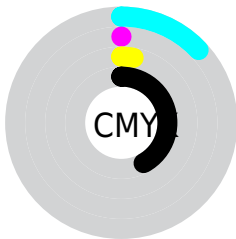
Distribution



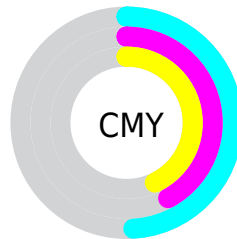
- Red (51%)
- Green (58%)
- Blue (57%)



- Red (51%)
- Yellow (55%)
- Blue (58%)



- Cyan (13%)
- Magenta (0%)
- Yellow (3%)
- Black (42%)




- Cyan (49%)
- Magenta (42%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2064, 0.2964, 0.3356 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 28.2064, 0.2964, 0.3356 by changing the saturation by 10% instead.


 28.2064, 0.2964,
0.3356


 28.2064, 0.2964,
0.3356


293.4519, 0.3052,
0.3320


 18.4813, 0.2939,
0.3366

 56.8138, 0.2998,
0.3342

 11.2961, 0.2906,
0.3379


 76.4649, 0.3010,
0.3338

 6.2664, 0.2858,
0.3398


 100.1934, 0.3020,
0.3333

 3.0077, 0.2785,
0.3428

128.3839, 0.3029,
0.3330

 1.1358, 0.2655,
0.3479

161.4205, 0.3036,
0.3327

 0.0083, 0.0000,
0.2128

199.6878, 0.3042,

 0.0000, 0.0000,

0.3325

0.0000

243.5701, 0.3048,
0.3322

■ 28.2064, 0.2964,
0.3356

■ 28.2064, 0.2964,
0.3356

■ 27.0345, 0.2849,
0.3411

■ 29.5532, 0.3085,
0.3306

■ 26.0265, 0.2744,
0.3470

■ 31.0783, 0.3209,
0.3261

■ 25.1759, 0.2650,
0.3532

■ 32.7894, 0.3335,
0.3220

■ 24.4740, 0.2570,
0.3599

■ 34.6927, 0.3461,
0.3184

■ 23.9116, 0.2506,
0.3667

■ 36.7940, 0.3585,
0.3153

■ 23.4781, 0.2460,
0.3738

■ 39.0990, 0.3706,
0.3125

■ 23.1616, 0.2433,
0.3808

■ 41.6132, 0.3823,
0.3101

■ 22.9480, 0.2424,
0.3879

■ 44.3418, 0.3936,
0.3080

■ 22.8375, 0.2424,
0.3925

■ 45.7224, 0.3968,
0.3054

Harmonies

Analogous

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



28.2064, 0.3082, 0.3460



28.2064, 0.2964, 0.3356



28.2064, 0.2890, 0.3235

Triad

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



28.2064, 0.2964, 0.3356



28.2064, 0.3037, 0.3075



28.2064, 0.3382, 0.3441

Complementary

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



28.2064, 0.2964, 0.3356



23.7801, 0.3319, 0.3225

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.



28.2064, 0.3370, 0.3337



28.2064, 0.2964, 0.3356



28.2064, 0.3169, 0.3129

Square

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



28.2064, 0.2964, 0.3356



28.2064, 0.2931, 0.3075



28.2064, 0.3291, 0.3223



28.2064, 0.3325, 0.3508

Rectangle

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



28.2064, 0.2964, 0.3356



28.2064, 0.2875, 0.3163



28.2064, 0.3291, 0.3223



28.2064, 0.3386, 0.3409

Sweetspot

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



28.2076, 0.2964, 0.3356



52.7570, 0.3077, 0.3309



28.0668, 0.3152, 0.3629



11.6524, 0.3068, 0.3313



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



28.2076, 0.2964, 0.3356



49.8744, 0.2930, 0.3371



26.4811, 0.2926, 0.3189



6.5427, 0.3015, 0.3334



19.2240, 0.2422, 0.3921



0.2393, 0.2329, 0.3585

Inverse Universe

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



23.7801, 0.3319, 0.3225



40.4263, 0.3368, 0.3210



25.3008, 0.3352, 0.3389



5.8331, 0.3253, 0.3246



5.4586, 0.6027, 0.3094



0.0703, 0.5074, 0.2569

Previews

White Background



This preview shows how the Yxy color 28.2064, 0.2964, 0.3356 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 28.2064, 0.2964, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

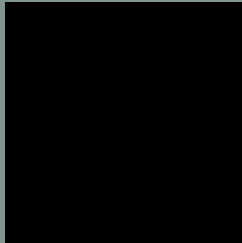
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

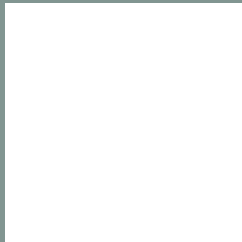
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.2064, 0.2964, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 28.2064, 0.2964, 0.3356.



This preview shows how white text looks on a background with the Yxy color 28.2064, 0.2964, 0.3356.

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

28.2064, 0.2964, 0.3356

Protanopia

28.1954, 0.3189, 0.3322

Deuteranopia

28.0308, 0.3241, 0.3182



Tritanopia

28.1959, 0.2859, 0.3094

Trichromacy



Original Color

28.2064, 0.2964, 0.3356

Protanomaly

28.2037, 0.3104, 0.3339

Deuteranomaly

27.9233, 0.3140, 0.3242

Tritanomaly

28.2587, 0.2894, 0.3191

Monochromacy



Original Color

28.2064, 0.2964, 0.3356

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.6677, 0.3064, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2064, 0.2964, 0.3356 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(129, 149, 145)` looks like.

```
.text, #text, p{  
    color:rgb(129, 149, 145)  
}
```

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(129, 149, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 149, 145) }
```

Border

The CSS property to change the border of an element to Yxy 28.2064, 0.2964, 0.3356 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(129, 149, 145) }
```

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

```
.border{ border-color:rgb(129, 149, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 149, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 149, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 149, 145);  
box-shadow:4px 4px 4px 4px rgb(129, 149,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2064, 0.2964, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 149, 145) }
```

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

```
.background{ background-color: rgb(129,  
149, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor