

Converting Colors

$Y_{xy}(36.2134, 0.2709, 0.2983)$

Have a look what the booklet for
Yxy(36.2134, 0.2709, 0.2983)
contains.

Yxy(36.1787, 0.2713, 0.2981)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.1787, 0.2713, 0.2981)

Conversions

Conversions Part 1

Format	Color
Hex	89A6BB
RGB	137, 166, 187
RGB Percent	54%, 65%, 73%
CMY	0.4626, 0.3490, 0.2667
CMYK	0.27, 0.11, 0.00, 0.27
HSL	205°, 27%, 64%
HSV	205°, 27%, 73%
XYZ	32.9261, 36.1787, 52.2595
YIQ	159.7230, -24.0250, 0.3830

Conversions

Conversions Part 2

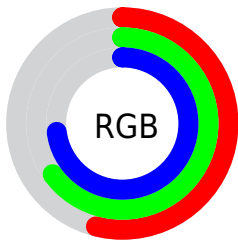
Format	Color
RYB	137, 155, 187
Decimal	9021115
CIELab	66.66, -5.12, -14.08
CIELCh	67, 14.981, 250.025
Yxy	36.1787, 0.2713, 0.2981
Android (android.graphics.Color)	4287211195 (0xFF89A6BB)
YUV	159.7230, 13.4476, -19.9281
Hunter-Lab	60.1487, -7.5472, -9.4093

Details

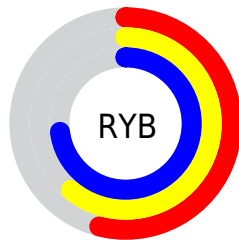
The Yxy color $36.1787, 0.2713, 0.2981$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $36.8379, 0.3619, 0.3580$, and the grayscale version is $34.9684, 0.3127, 0.3290$.

A 20% lighter version of the original color is $69.2603, 0.2791, 0.3043$, and $15.7343, 0.2587, 0.2874$ is the 20% darker color. If you saturate the color by 10%, you get $31.9629, 0.2557, 0.2845$, and if you desaturate by 10%, it is $40.8460, 0.2870, 0.3106$.

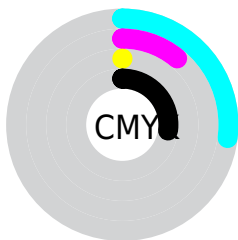
Distribution



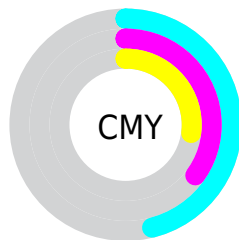
- Red (54%)
- Green (65%)
- Blue (73%)



- Red (54%)
- Yellow (61%)
- Blue (73%)



- Cyan (27%)
- Magenta (11%)
- Yellow (0%)
- Black (27%)



- Cyan (46%)
- Magenta (35%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.1787, 0.2713, 0.2981 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 36.1787, 0.2713, 0.2981 by changing the saturation by 10% instead.

■ 36.1787, 0.2713,
0.2981

■ 36.1787, 0.2713,
0.2981

■ 329.7409, 0.2926,
0.3143

■ 24.5722, 0.2658,
0.2938

■ 69.3078, 0.2792,
0.3042

■ 15.7586, 0.2586,
0.2882

■ 91.5992, 0.2821,
0.3064

■ 9.3535, 0.2489,
0.2805

■ 118.2211, 0.2845,
0.3082

■ 4.9725, 0.2351,
0.2692

■ 149.5578, 0.2866,
0.3098

■ 2.2311, 0.2138,
0.2514

■ 185.9937, 0.2884,
0.3112

■ 0.7369, 0.1715,
0.2196

■ 227.9133, 0.2900,

■ 0.0000, 0.0000,

0.3123

0.0000

275.7009, 0.2914,
0.3134

■ 36.1787, 0.2713,
0.2981

■ 36.1787, 0.2713,
0.2981

■ 31.9629, 0.2557,
0.2845

■ 40.8460, 0.2870,
0.3106

■ 28.1771, 0.2407,
0.2698

■ 45.9765, 0.3025,
0.3220

■ 24.8040, 0.2265,
0.2543

■ 51.5870, 0.3176,
0.3322

■ 21.8235, 0.2137,
0.2383

■ 57.6918, 0.3321,
0.3413

■ 19.2129, 0.2026,
0.2220

■ 64.3046, 0.3460,
0.3494

■ 16.9465, 0.1936,
0.2058

■ 71.4387, 0.3590,
0.3565

■ 14.9905, 0.1868,
0.1901

■ 76.5706, 0.3615,
0.3639

■ 14.3961, 0.1847,
0.1850

■ 80.8195, 0.3595,
0.3716

■ 85.2654, 0.3575,
0.3791

Harmonies

Analogous

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



36.1787, 0.2704, 0.3138



36.1787, 0.2713, 0.2981



36.1787, 0.2828, 0.2911

Triad

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



36.1787, 0.2713, 0.2981



36.1787, 0.3459, 0.3222



36.1787, 0.3216, 0.3674

Complementary

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



36.1787, 0.2713, 0.2981



36.8379, 0.3619, 0.3580

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.



36.1787, 0.3425, 0.3684



36.1787, 0.2713, 0.2981



36.1787, 0.3570, 0.3415

Square

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



36.1787, 0.2713, 0.2981



36.1787, 0.3257, 0.3051



36.1787, 0.3557, 0.3586



36.1787, 0.2989, 0.3549

Rectangle

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



36.1787, 0.2713, 0.2981



36.1787, 0.2953, 0.2919



36.1787, 0.3557, 0.3586



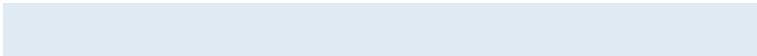
36.1787, 0.3291, 0.3691

Sweetspot

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



36.1802, 0.2713, 0.2981



80.9979, 0.3003, 0.3205



43.3245, 0.2942, 0.3722



17.5224, 0.2980, 0.3188



95.5105, 0.3127, 0.3290



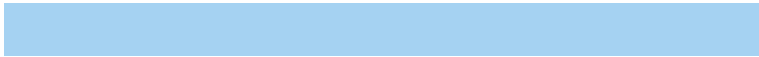
19.5994, 0.3127, 0.3290

Same Dimension

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



36.1802, 0.2713, 0.2981



60.3240, 0.2622, 0.2903



28.0176, 0.2677, 0.2600



10.1191, 0.2984, 0.3191



10.0647, 0.1853, 0.1869



0.5210, 0.1957, 0.2245

Inverse Universe

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



31.2189, 0.3372, 0.2898



50.3709, 0.3441, 0.2809



46.1702, 0.3538, 0.3897



9.6266, 0.3200, 0.3158



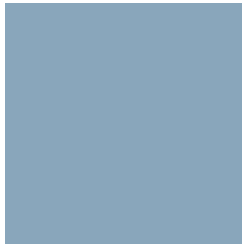
8.0457, 0.4604, 0.2310



0.3280, 0.4184, 0.2079

Previews

White Background



This preview shows how the Yxy color 36.1787, 0.2713, 0.2981 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 36.1787, 0.2713, 0.2981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

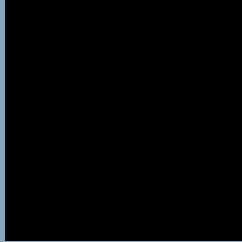
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

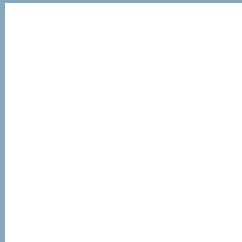
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.1787, 0.2713, 0.2981

Background



This preview shows how black text looks on a background with the Yxy color 36.1787, 0.2713, 0.2981.



This preview shows how white text looks on a background with the Yxy color 36.1787, 0.2713, 0.2981.

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

36.1787, 0.2713, 0.2981

Protanopia

36.1777, 0.2913, 0.2978

Deuteranopia

36.1272, 0.2926, 0.2862



Tritanopia

36.1670, 0.2757, 0.3095

Trichromacy



Original Color

36.1787, 0.2713, 0.2981

Protanomaly

36.1391, 0.2837, 0.2987

Deuteranomaly

36.0891, 0.2847, 0.2908

Tritanomaly

36.2906, 0.2735, 0.3052

Monochromacy



Original Color

36.1787, 0.2713, 0.2981

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.4183, 0.2966, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1787, 0.2713, 0.2981 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(137, 166, 187)` looks like.

```
.text, #text, p{  
    color:rgb(137, 166, 187)  
}
```

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(137, 166, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 166, 187) }
```

Border

The CSS property to change the border of an element to Yxy 36.1787, 0.2713, 0.2981 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(137, 166, 187) }
```

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

```
.border{ border-color:rgb(137, 166, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 166, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 166, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 166, 187); box-shadow:4px 4px 4px 4px rgb(137, 166, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1787, 0.2713, 0.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 166, 187) }
```

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

```
.background{ background-color: rgb(137,  
166, 187) }
```

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