

Converting Colors

$Y_{xy}(13.6310, 0.2860, 0.1994)$

Have a look what the booklet for
Yxy(13.6310, 0.2860, 0.1994)
contains.

Yxy(13.6289, 0.2861, 0.1988)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.6289, 0.2861, 0.1988)

Conversions

Conversions Part 1

Format	Color
Hex	8950A1
RGB	137, 80, 161
RGB Percent	54%, 31%, 63%
CMY	0.4629, 0.6862, 0.3686
CMYK	0.15, 0.50, 0.00, 0.37
HSL	282°, 34%, 47%
HSV	282°, 50%, 63%
XYZ	19.6138, 13.6289, 35.3131
YIQ	106.2770, 7.9710, 37.2750

Conversions

Conversions Part 2

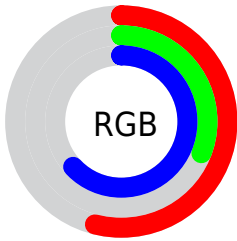
Format	Color
R_{YB}	137, 80, 161
Decimal	8999073
CIE _{Lab}	43.70, 38.16, -34.49
CIE _{LCh}	44, 51.434, 317.893
Yxy	13.6289, 0.2861, 0.1988
Android (android.graphics.Color)	4287189153 (0xFF8950A1)
YUV	106.2770, 26.9784, 26.9441
Hunter-Lab	36.9173, 30.2300, -30.8714

Details

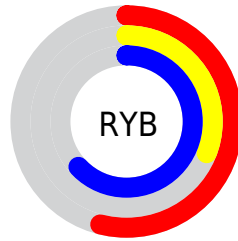
The Yxy color **13.6289, 0.2861, 0.1988** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **29.0141, 0.3260, 0.4751**, and the grayscale version is **14.4168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3969, 0.2941, 0.2255**, and **4.0154, 0.2703, 0.1551** is the 20% darker color. If you saturate the color by 10%, you get **11.1522, 0.2787, 0.1746**, and if you desaturate by 10%, it is **16.6896, 0.2929, 0.2249**.

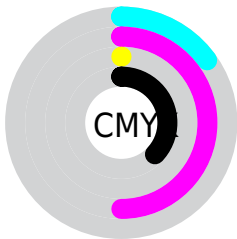
Distribution



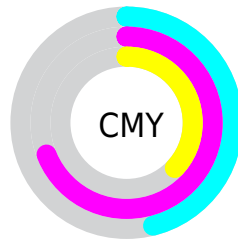
- Red (54%)
- Green (31%)
- Blue (63%)



- Red (54%)
- Yellow (31%)
- Blue (63%)



- Cyan (15%)
- Magenta (50%)
- Yellow (0%)
- Black (37%)





- Cyan (46%)
- Magenta (69%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.6289, 0.2861, 0.1988 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 13.6289, 0.2861, 0.1988 by changing the saturation by 10% instead.


 13.6289, 0.2861,
0.1988


 13.6289, 0.2861,
0.1988

214.9098, 0.3039,
0.2691


 7.8630, 0.2796,
0.1799


 32.4291, 0.2939,
0.2255


 4.0074, 0.2699,
0.1552


 46.2322, 0.2964,
0.2352


 1.6777, 0.2541,
0.1222

 63.4832, 0.2984,
0.2432

 0.4092, 0.2289,
0.0661

 84.5664, 0.3000,
0.2500

 0.0000, 0.1280,
0.0000

 109.8663, 0.3012,
0.2559

 0.0000, 0.0000,
0.0000

139.7672, 0.3023,

0.2609

174.6536, 0.3032,
0.2653

■ 13.6289, 0.2861,
0.1988

■ 13.6289, 0.2861,
0.1988

■ 11.1522, 0.2787,
0.1746

■ 16.6896, 0.2929,
0.2249

■ 9.2164, 0.2709,
0.1532

■ 20.3696, 0.2990,
0.2517

■ 7.7754, 0.2630,
0.1358

■ 24.7037, 0.3043,
0.2783

■ 6.7743, 0.2552,
0.1229

■ 29.7233, 0.3088,
0.3040

■ 6.0985, 0.2478,
0.1139

■ 35.4579, 0.3126,
0.3283

■ 41.9352, 0.3158,
0.3510

■ 49.1814, 0.3183,
0.3718

■ 57.2215, 0.3204,
0.3908

■ 66.0793, 0.3220,
0.4080

Harmonies

Analogous

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



13.6289, 0.2017, 0.1775



13.6289, 0.2861, 0.1988



13.6289, 0.3968, 0.2444

Triad

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



13.6289, 0.2861, 0.1988



13.6289, 0.4841, 0.4503



13.6289, 0.1589, 0.3149

Complementary

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



13.6289, 0.2861, 0.1988



29.0141, 0.3260, 0.4751

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.



13.6289, 0.2175, 0.4393



13.6289, 0.2861, 0.1988



13.6289, 0.4045, 0.5147

Square

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



13.6289, 0.2861, 0.1988



13.6289, 0.5216, 0.3763



13.6289, 0.3079, 0.5243



13.6289, 0.1396, 0.2262

Rectangle

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



13.6289, 0.2861, 0.1988



13.6289, 0.4651, 0.2846



13.6289, 0.3079, 0.5243



13.6289, 0.1739, 0.3547

Sweetspot

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



13.6295, 0.2861, 0.1988



48.5947, 0.3066, 0.2913



14.2438, 0.2277, 0.2203



10.2741, 0.3057, 0.2862



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



13.6295, 0.2861, 0.1988



19.6493, 0.2781, 0.1727



15.3556, 0.3408, 0.2309



7.0962, 0.3092, 0.3065



4.8927, 0.2484, 0.1142



0.1254, 0.2760, 0.1294

Inverse Universe

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



14.3179, 0.4079, 0.2910



21.2321, 0.4414, 0.2848



28.0434, 0.2941, 0.4538



7.1189, 0.3240, 0.3224



6.2270, 0.5727, 0.2929



0.1388, 0.4763, 0.2397

Previews

White Background



This preview shows how the Yxy color 13.6289, 0.2861, 0.1988 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 13.6289, 0.2861, 0.1988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

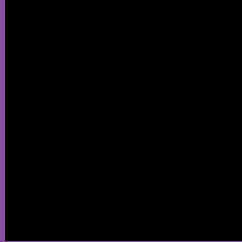
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6289, 0.2861, 0.1988

Background



This preview shows how black text looks on a background with the Yxy color 13.6289, 0.2861, 0.1988.



This preview shows how white text looks on a background with the Yxy color 13.6289, 0.2861, 0.1988.

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

13.6289, 0.2861, 0.1988

Protanopia

13.8316, 0.2060, 0.1865

Deuteranopia

13.7971, 0.2292, 0.2234



Tritanopia

13.5539, 0.3539, 0.3135

Trichromacy



Original Color

13.6289, 0.2861, 0.1988

Protanomaly

13.1730, 0.2269, 0.1872

Deuteranomaly

13.3624, 0.2464, 0.2121

Tritanomaly

13.4001, 0.3278, 0.2661

Monochromacy



Original Color

13.6289, 0.2861, 0.1988

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.8377, 0.3026, 0.2723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6289, 0.2861, 0.1988 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, 80, 161)` looks like.

```
.text, #text, p{  
    color:rgb(137, 80, 161)  
}
```

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, 80, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 80, 161) }
```

Border

The CSS property to change the border of an element to Yxy 13.6289, 0.2861, 0.1988 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, 80, 161) }
```

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

```
.border{ border-color:rgb(137, 80, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 80, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 80, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 80, 161);  
box-shadow:4px 4px 4px 4px rgb(137, 80,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6289, 0.2861, 0.1988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 80, 161) }
```

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

```
.background{ background-color: rgb(137, 80,  
161) }
```

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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