

Converting Colors

$Y_{xy}(37.2398, 0.2566, 0.2831)$

Have a look what the booklet for
Yxy(37.2398, 0.2566, 0.2831)
contains.

Yxy(37.2601, 0.2565, 0.2829)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.2601, 0.2565, 0.2829)

Conversions

Conversions Part 1

Format	Color
Hex	81A9C9
RGB	129, 169, 201
RGB Percent	51%, 66%, 79%
CMY	0.4941, 0.3372, 0.2118
CMYK	0.36, 0.16, 0.00, 0.21
HSL	207°, 40%, 65%
HSV	207°, 36%, 79%
XYZ	33.7830, 37.2601, 60.6646
YIQ	160.6880, -34.1120, 1.4720

Conversions

Conversions Part 2

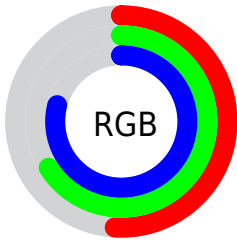
Format	Color
R_{YB}	129, 155, 201
Decimal	8497609
CIE Lab	67.47, -5.61, -20.65
CIE LCh	67, 21.404, 254.798
Yxy	37.2601, 0.2565, 0.2829
Android (android.graphics.Color)	4286687689 (0xFF81A9C9)
YUV	160.6880, 19.8738, -27.7904
Hunter-Lab	61.0411, -8.0315, -16.1956

Details

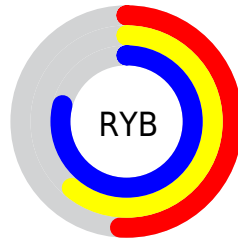
The Yxy color **37.2601, 0.2565, 0.2829** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.4883, 0.3829, 0.3707**, and the grayscale version is **35.4071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7217, 0.2686, 0.2946**, and **16.3657, 0.2396, 0.2684** is the 20% darker color. If you saturate the color by 10%, you get **32.6288, 0.2410, 0.2673**, and if you desaturate by 10%, it is **42.4309, 0.2724, 0.2974**.

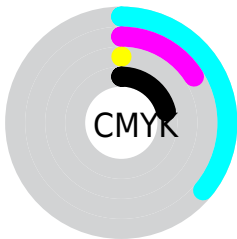
Distribution



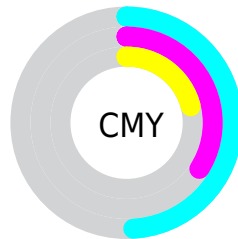
- Red (51%)
- Green (66%)
- Blue (79%)



- Red (51%)
- Yellow (61%)
- Blue (79%)



- Cyan (36%)
- Magenta (16%)
- Yellow (0%)
- Black (21%)



- Cyan (49%)
- Magenta (34%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.2601, 0.2565, 0.2829 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 37.2601, 0.2565, 0.2829 by changing the saturation by 10% instead.

■ 37.2601, 0.2565,
0.2829

■ 37.2601, 0.2565,
0.2829

334.4352, 0.2851,
0.3068

■ 25.4089, 0.2493,
0.2767

■ 70.9726, 0.2670,
0.2918

■ 16.3820, 0.2400,
0.2687

■ 93.6028, 0.2709,
0.2950

■ 9.7949, 0.2275,
0.2578

■ 120.5948, 0.2742,
0.2978

■ 5.2632, 0.2102,
0.2423

152.3329, 0.2770,
0.3001

■ 2.4025, 0.1846,
0.2188

189.2016, 0.2794,
0.3021

■ 0.8272, 0.1416,
0.1804

231.5853, 0.2815,

■ 0.0000, 0.0000,

0.3039

0.0000

279.8684, 0.2834,
0.3054

■ 37.2601, 0.2565,
0.2829

■ 37.2601, 0.2565,
0.2829

■ 32.6288, 0.2410,
0.2673

■ 42.4309, 0.2724,
0.2974

■ 28.5099, 0.2264,
0.2509

■ 48.1580, 0.2882,
0.3106

■ 24.8800, 0.2131,
0.2338

■ 54.4625, 0.3039,
0.3226

■ 21.7117, 0.2015,
0.2165

■ 61.3633, 0.3190,
0.3333

■ 18.9737, 0.1921,
0.1993

■ 68.8779, 0.3334,
0.3429

■ 16.6279, 0.1848,
0.1827

■ 77.0234, 0.3471,
0.3513

■ 15.7350, 0.1822,
0.1759

■ 82.9210, 0.3493,
0.3598

■ 88.0637, 0.3476,
0.3684

■ 93.4655, 0.3459,
0.3769

Harmonies

Analogous

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



37.2601, 0.2528, 0.3027



37.2601, 0.2565, 0.2829



37.2601, 0.2744, 0.2760

Triad

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



37.2601, 0.2565, 0.2829



37.2601, 0.3634, 0.3233



37.2601, 0.3196, 0.3824

Complementary

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



37.2601, 0.2565, 0.2829



39.4883, 0.3829, 0.3707

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.



37.2601, 0.3503, 0.3859



37.2601, 0.2565, 0.2829



37.2601, 0.3766, 0.3500

Square

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



37.2601, 0.2565, 0.2829



37.2601, 0.3359, 0.2990



37.2601, 0.3715, 0.3732



37.2601, 0.2882, 0.3620

Rectangle

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



37.2601, 0.2565, 0.2829



37.2601, 0.2927, 0.2786



37.2601, 0.3715, 0.3732



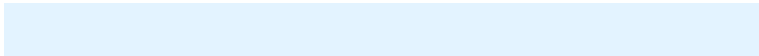
37.2601, 0.3304, 0.3856

Sweetspot

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



37.2616, 0.2565, 0.2829



87.3666, 0.2956, 0.3164



48.9823, 0.2877, 0.3882



18.3854, 0.2934, 0.3147



0.0000, 0.0000, 0.0000



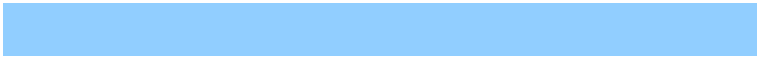
21.4041, 0.3127, 0.3290

Same Dimension

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



37.2616, 0.2565, 0.2829



57.5478, 0.2444, 0.2709



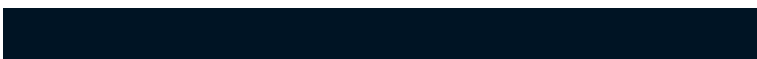
25.8796, 0.2492, 0.2295



11.2484, 0.2983, 0.3185



10.0795, 0.1828, 0.1782



0.6201, 0.1924, 0.2126

Inverse Universe

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



30.9825, 0.3505, 0.2778



46.0877, 0.3621, 0.2666



53.5687, 0.3680, 0.4121



10.7340, 0.3204, 0.3162



8.5575, 0.4707, 0.2367



0.4196, 0.4312, 0.2149

Previews

White Background



This preview shows how the Yxy color 37.2601, 0.2565, 0.2829 looks on a white background.

Color Contrast Check

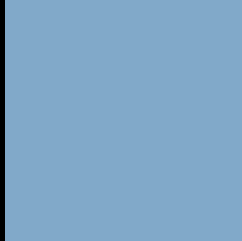
Large Text (above 18pt) WCAG AA × Fail

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 37.2601, 0.2565, 0.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

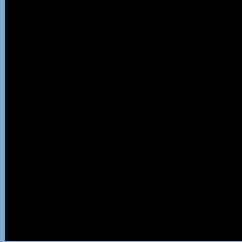
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

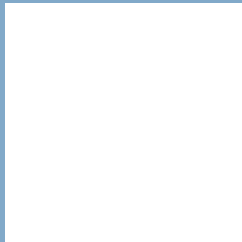
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.2601, 0.2565, 0.2829

Background



This preview shows how black text looks on a background with the Yxy color 37.2601, 0.2565, 0.2829.



This preview shows how white text looks on a background with the Yxy color 37.2601, 0.2565, 0.2829.

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

37.2601, 0.2565, 0.2829

Protanopia

36.9943, 0.2804, 0.2819

Deuteranopia

36.9270, 0.2775, 0.2707



Tritanopia

37.3678, 0.2647, 0.3094

Trichromacy



Original Color

37.2601, 0.2565, 0.2829

Protanomaly

37.1905, 0.2711, 0.2826

Deuteranomaly

36.8482, 0.2696, 0.2748

Tritanomaly

37.3230, 0.2613, 0.2994

Monochromacy



Original Color

37.2601, 0.2565, 0.2829

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.0751, 0.2892, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2601, 0.2565, 0.2829 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, 169, 201)` looks like.

```
.text, #text, p{  
    color:rgb(129, 169, 201)  
}
```

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, 169, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 169, 201) }
```

Border

The CSS property to change the border of an element to Yxy 37.2601, 0.2565, 0.2829 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, 169, 201) }
```

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

```
.border{ border-color:rgb(129, 169, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 169, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 169, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 169, 201);  
box-shadow:4px 4px 4px 4px rgb(129, 169,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2601, 0.2565, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 169, 201) }
```

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

```
.background{ background-color: rgb(129,  
169, 201) }
```

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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