

Converting Colors

$Y_{xy}(36.2710, 0.2555, 0.2997)$

Have a look what the booklet for
Yxy(36.2710, 0.2555, 0.2997)
contains.

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Color

Yxy(36.1802, 0.2549, 0.2987)

Conversions

Conversions Part 1

Format	Color
Hex	74AABE
RGB	116, 170, 190
RGB Percent	45%, 67%, 75%
CMY	0.5449, 0.3333, 0.2549
CMYK	0.39, 0.11, 0.00, 0.25
HSL	196°, 36%, 60%
HSV	196°, 39%, 75%
XYZ	30.8749, 36.1802, 54.0704
YIQ	156.1340, -38.6040, -5.2280

Conversions

Conversions Part 2

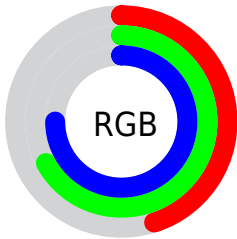
Format	Color
R _Y B	116, 147, 190
Decimal	7645886
CIE Lab	66.66, -12.57, -15.87
CIE LCh	67, 20.243, 231.608
Yxy	36.1802, 0.2549, 0.2987
Android (android.graphics.Color)	4285835966 (0xFF74AABE)
YUV	156.1340, 16.6959, -35.1975
Hunter-Lab	60.1500, -13.6387, -11.1924

Details

The Yxy color **36.1802, 0.2549, 0.2987** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.8292, 0.3973, 0.3569**, and the grayscale version is **33.2498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1622, 0.2660, 0.3048**, and **15.8198, 0.2376, 0.2882** is the 20% darker color. If you saturate the color by 10%, you get **33.1203, 0.2417, 0.2894**, and if you desaturate by 10%, it is **39.5845, 0.2691, 0.3074**.

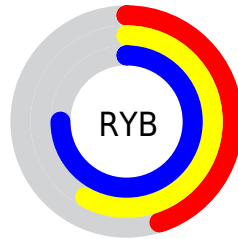
Distribution



Red (45%)

Green (67%)

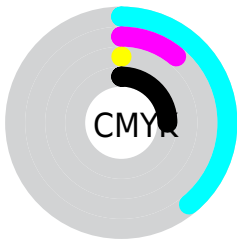
Blue (75%)



Red (45%)

Yellow (58%)

Blue (75%)

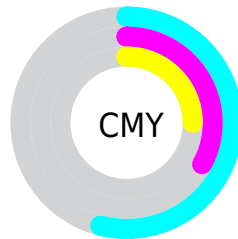


Cyan (39%)

Magenta (11%)

Yellow (0%)

Black (25%)



Cyan (54%)

Magenta (33%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.1802, 0.2549, 0.2987 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 36.1802, 0.2549, 0.2987 by changing the saturation by 10% instead.

■ 36.1802, 0.2549,
0.2987

■ 36.1802, 0.2549,
0.2987

■ 329.7475, 0.2844,
0.3149

■ 24.5734, 0.2474,
0.2943

■ 69.3101, 0.2657,
0.3048

■ 15.7595, 0.2377,
0.2885

■ 91.6020, 0.2698,
0.3071

■ 9.3541, 0.2246,
0.2804

■ 118.2244, 0.2732,
0.3089

■ 4.9729, 0.2063,
0.2685

■ 149.5617, 0.2761,
0.3105

■ 2.2314, 0.1790,
0.2493

■ 185.9982, 0.2786,
0.3118

■ 0.7370, 0.1162,
0.2176

■ 227.9184, 0.2808,

■ 0.0000, 0.0000,

0.3130

0.0000

275.7067, 0.2827,
0.3140

■ 36.1802, 0.2549,
0.2987

■ 36.1802, 0.2549,
0.2987

■ 33.1203, 0.2417,
0.2894

■ 39.5845, 0.2691,
0.3074

■ 30.3835, 0.2298,
0.2798

■ 43.3448, 0.2839,
0.3155

■ 27.9521, 0.2196,
0.2698

■ 47.4772, 0.2991,
0.3230

■ 25.8047, 0.2112,
0.2597

■ 51.9954, 0.3143,
0.3297

■ 23.9162, 0.2048,
0.2496

■ 56.9124, 0.3294,
0.3357

■ 22.2439, 0.2001,
0.2396

■ 62.2405, 0.3441,
0.3411

■ 22.0712, 0.1996,
0.2385

■ 67.9913, 0.3584,
0.3459

■ 71.6187, 0.3618,
0.3509

■ 74.2146, 0.3605,
0.3560

Harmonies

Analogous

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



36.1802, 0.2625, 0.3251



36.1802, 0.2549, 0.2987



36.1802, 0.2617, 0.2823

Triad

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



36.1802, 0.2549, 0.2987



36.1802, 0.3417, 0.3051



36.1802, 0.3426, 0.3840

Complementary

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



36.1802, 0.2549, 0.2987



29.8292, 0.3973, 0.3569

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.



36.1802, 0.3655, 0.3751



36.1802, 0.2549, 0.2987



36.1802, 0.3654, 0.3294

Square

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



36.1802, 0.2549, 0.2987



36.1802, 0.3107, 0.2868



36.1802, 0.3742, 0.3548



36.1802, 0.3123, 0.3767

Rectangle

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



36.1802, 0.2549, 0.2987



36.1802, 0.2737, 0.2783



36.1802, 0.3742, 0.3548



36.1802, 0.3514, 0.3827

Sweetspot

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



36.1816, 0.2549, 0.2987



83.5133, 0.2941, 0.3206



42.3132, 0.2942, 0.4142



18.1193, 0.2921, 0.3196



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



36.1816, 0.2549, 0.2987



60.6348, 0.2432, 0.2905



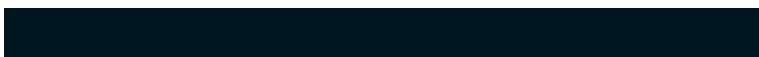
24.2898, 0.2461, 0.2398



10.3612, 0.2985, 0.3227



14.8115, 0.2000, 0.2398



0.6831, 0.2066, 0.2637

Inverse Universe

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



26.3491, 0.3394, 0.2574



41.0493, 0.3475, 0.2418



41.9973, 0.3783, 0.4044



9.6510, 0.3178, 0.3124



8.5249, 0.4025, 0.1991



0.3443, 0.3789, 0.1861

Previews

White Background



This preview shows how the Yxy color 36.1802, 0.2549, 0.2987 looks on a white background.

Color Contrast Check

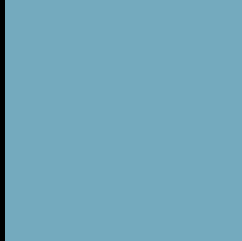
Large Text (above 18pt) WCAG AA × Fail

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 36.1802, 0.2549, 0.2987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

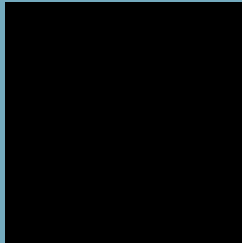
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

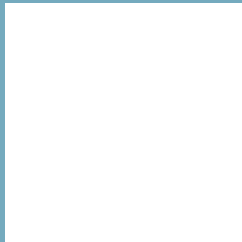
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.1802, 0.2549, 0.2987

Background



This preview shows how black text looks on a background with the Yxy color 36.1802, 0.2549, 0.2987.



This preview shows how white text looks on a background with the Yxy color 36.1802, 0.2549, 0.2987.

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

36.1802, 0.2549, 0.2987

Protanopia

35.8714, 0.2905, 0.2950

Deuteranopia

35.9854, 0.2867, 0.2807



Tritanopia

36.2734, 0.2576, 0.3075

Trichromacy



Original Color

36.1802, 0.2549, 0.2987

Protanomaly

35.9357, 0.2765, 0.2969

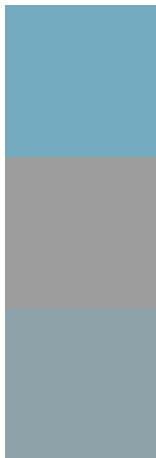
Deuteranomaly

35.6662, 0.2735, 0.2859

Tritanomaly

36.3585, 0.2563, 0.3046

Monochromacy



Original Color

36.1802, 0.2549, 0.2987

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.9796, 0.2885, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1802, 0.2549, 0.2987 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(116, 170, 190)` looks like.

```
.text, #text, p{  
    color:rgb(116, 170, 190)  
}
```

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(116, 170, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 170, 190) }
```

Border

The CSS property to change the border of an element to Yxy 36.1802, 0.2549, 0.2987 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(116, 170, 190) }
```

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

```
.border{ border-color:rgb(116, 170, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 170, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 170, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 170, 190);  
box-shadow:4px 4px 4px 4px rgb(116, 170,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1802, 0.2549, 0.2987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 170, 190) }
```

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

```
.background{ background-color: rgb(116,  
170, 190) }
```

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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