

Converting Colors

$Y_{xy}(36.8290, 0.2716, 0.2916)$

Have a look what the booklet for
Yxy(36.8290, 0.2716, 0.2916)
contains.

Yxy(36.8290, 0.2716, 0.2916)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.8290, 0.2716, 0.2916)

Conversions

Conversions Part 1

Format	Color
Hex	8EA6C0
RGB	142, 166, 192
RGB Percent	56%, 65%, 75%
CMY	0.4432, 0.3490, 0.2471
CMYK	0.26, 0.14, 0.00, 0.25
HSL	211°, 28%, 65%
HSV	211°, 26%, 75%
XYZ	34.3030, 36.8290, 55.1677
YIQ	161.7880, -22.6500, 2.9980

Conversions

Conversions Part 2

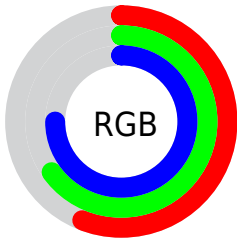
Format	Color
RYB	142, 158, 192
Decimal	9348800
CIELab	67.15, -2.41, -16.08
CIELCh	67, 16.263, 261.473
Yxy	36.8290, 0.2716, 0.2916
Android (android.graphics.Color)	4287538880 (0xFF8EA6C0)
YUV	161.7880, 14.8945, -17.3541
Hunter-Lab	60.6869, -5.3057, -11.4170

Details

The Yxy color **36.8290, 0.2716, 0.2916** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.1528, 0.3589, 0.3637**, and the grayscale version is **35.9631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2260, 0.2794, 0.2992**, and **16.0938, 0.2600, 0.2805** is the 20% darker color. If you saturate the color by 10%, you get **31.7884, 0.2552, 0.2746**, and if you desaturate by 10%, it is **42.4464, 0.2878, 0.3072**.

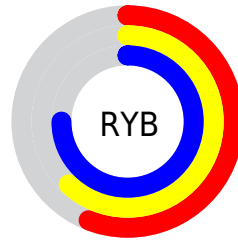
Distribution



Red (56%)

Green (65%)

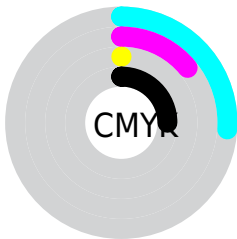
Blue (75%)



Red (56%)

Yellow (62%)

Blue (75%)

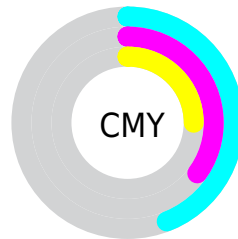


Cyan (26%)

Magenta (14%)

Yellow (0%)

Black (25%)



Cyan (44%)

Magenta (35%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8290, 0.2716, 0.2916 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 36.8290, 0.2716, 0.2916 by changing the saturation by 10% instead.

■ 36.8290, 0.2716,
0.2916

■ 36.8290, 0.2716,
0.2916

■ 332.5696, 0.2927,
0.3110

■ 25.0751, 0.2662,
0.2866

■ 70.3097, 0.2794,
0.2988

■ 16.1330, 0.2591,
0.2800

■ 92.8053, 0.2823,
0.3014

■ 9.6183, 0.2496,
0.2710

■ 119.6503, 0.2847,
0.3037

■ 5.1466, 0.2360,
0.2582

■ 151.2291, 0.2868,
0.3056

■ 2.3336, 0.2153,
0.2384

■ 187.9260, 0.2886,
0.3072

■ 0.7914, 0.1790,
0.2043

■ 230.1254, 0.2901,

■ 0.0000, 0.0000,

0.3086

0.0000

278.2118, 0.2915,
0.3099

■ 36.8290, 0.2716,
0.2916

■ 36.8290, 0.2716,
0.2916

■ 31.7884, 0.2552,
0.2746

■ 42.4464, 0.2878,
0.3072

■ 27.2989, 0.2390,
0.2562

■ 48.6563, 0.3035,
0.3212

■ 23.3390, 0.2234,
0.2368

■ 55.4792, 0.3186,
0.3338

■ 19.8840, 0.2090,
0.2167

■ 62.9329, 0.3327,
0.3449

■ 16.9063, 0.1964,
0.1965

■ 71.0349, 0.3460,
0.3547

■ 14.3750, 0.1860,
0.1767

■ 79.3859, 0.3568,
0.3635

■ 12.2523, 0.1780,
0.1580

■ 84.9661, 0.3545,
0.3732

■ 11.5006, 0.1752,
0.1508

■ 90.8672, 0.3522,
0.3826

■ 96.5857, 0.3502,
0.3910

Harmonies

Analogous

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



36.8290, 0.2661, 0.3051



36.8290, 0.2716, 0.2916



36.8290, 0.2878, 0.2882

Triad

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



36.8290, 0.2716, 0.2916



36.8290, 0.3546, 0.3295



36.8290, 0.3128, 0.3667

Complementary

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



36.8290, 0.2716, 0.2916



41.1528, 0.3589, 0.3637

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.



36.8290, 0.3369, 0.3727



36.8290, 0.2716, 0.2916



36.8290, 0.3617, 0.3500

Square

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



36.8290, 0.2716, 0.2916



36.8290, 0.3358, 0.3097



36.8290, 0.3550, 0.3661



36.8290, 0.2893, 0.3493

Rectangle

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



36.8290, 0.2716, 0.2916



36.8290, 0.3029, 0.2916



36.8290, 0.3550, 0.3661



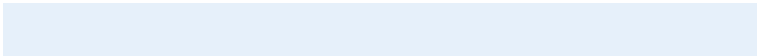
36.8290, 0.3211, 0.3702

Sweetspot

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



36.8305, 0.2716, 0.2916



85.7369, 0.3003, 0.3184



46.2678, 0.2912, 0.3636



18.0190, 0.2980, 0.3164



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.



36.8305, 0.2716, 0.2916



61.6343, 0.2627, 0.2825



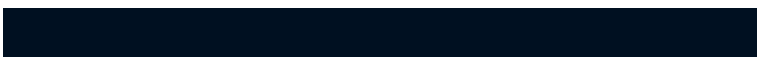
28.9694, 0.2690, 0.2557



10.5285, 0.2984, 0.3167



7.8932, 0.1759, 0.1531



0.4790, 0.1875, 0.1949

Inverse Universe

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



33.3002, 0.3416, 0.2971



54.6105, 0.3496, 0.2901



50.7481, 0.3508, 0.3934



10.1567, 0.3215, 0.3180



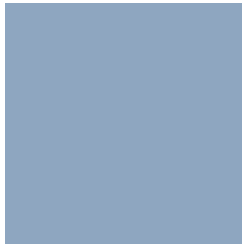
8.0791, 0.5019, 0.2539



0.3630, 0.4511, 0.2259

Previews

White Background



This preview shows how the Yxy color 36.8290, 0.2716, 0.2916 looks on a white background.

Color Contrast Check

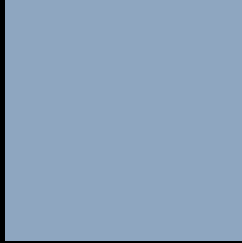
Large Text (above 18pt) WCAG AA × Fail

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 36.8290, 0.2716, 0.2916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

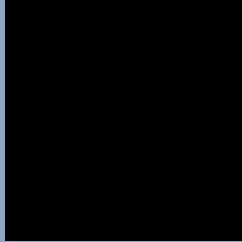
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

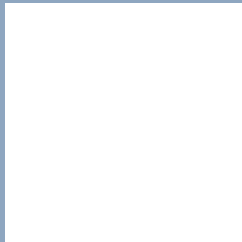
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.8290, 0.2716, 0.2916

Background



This preview shows how black text looks on a background with the Yxy color 36.8290, 0.2716, 0.2916.



This preview shows how white text looks on a background with the Yxy color 36.8290, 0.2716, 0.2916.

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

36.8290, 0.2716, 0.2916

Protanopia

36.7839, 0.2866, 0.2912

Deuteranopia

36.5390, 0.2885, 0.2824



Tritanopia

36.9169, 0.2782, 0.3098

Trichromacy



Original Color

36.8290, 0.2716, 0.2916

Protanomaly

36.5875, 0.2808, 0.2907

Deuteranomaly

36.7588, 0.2818, 0.2857

Tritanomaly

36.8029, 0.2760, 0.3027

Monochromacy



Original Color

36.8290, 0.2716, 0.2916

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.1801, 0.2969, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8290, 0.2716, 0.2916 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(142, 166, 192)` looks like.

```
.text, #text, p{  
    color:rgb(142, 166, 192)  
}
```

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(142, 166, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 166, 192) }
```

Border

The CSS property to change the border of an element to Yxy 36.8290, 0.2716, 0.2916 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(142, 166, 192) }
```

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

```
.border{ border-color:rgb(142, 166, 192) }
```

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

Here you see how a box with a 4 pixel rgb(142, 166, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 166, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 166, 192);  
box-shadow:4px 4px 4px 4px rgb(142, 166,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8290, 0.2716, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 166, 192) }
```

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

```
.background{ background-color: rgb(142,  
166, 192) }
```

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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