

Converting Colors

$Y_{xy}(35.0284, 0.2716, 0.3124)$

Have a look what the booklet for
Yxy(35.0284, 0.2716, 0.3124)
contains.

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Color

Yxy(35.0360, 0.2715, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	80A6B1
RGB	128, 166, 177
RGB Percent	50%, 65%, 69%
CMY	0.4978, 0.3490, 0.3059
CMYK	0.28, 0.06, 0.00, 0.31
HSL	193°, 24%, 60%
HSV	193°, 28%, 69%
XYZ	30.4783, 35.0360, 46.7446
YIQ	155.8920, -26.1790, -4.6350

Conversions

Conversions Part 2

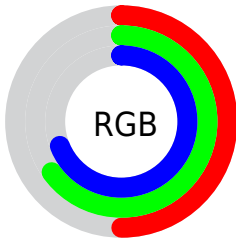
Format	Color
RYB	128, 149, 177
Decimal	8431281
CIELab	65.78, -10.25, -9.88
CIELCh	66, 14.240, 223.942
Yxy	35.0360, 0.2715, 0.3121
Android (android.graphics.Color)	4286621361 (0xFF80A6B1)
YUV	155.8920, 10.4062, -24.4613
Hunter-Lab	59.1912, -11.6728, -5.3888

Details

The Yxy color **35.0360, 0.2715, 0.3121** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.3830, 0.3674, 0.3452**, and the grayscale version is **33.1609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5412, 0.2792, 0.3151**, and **15.0676, 0.2590, 0.3069** is the 20% darker color. If you saturate the color by 10%, you get **32.3587, 0.2576, 0.3050**, and if you desaturate by 10%, it is **38.0002, 0.2861, 0.3187**.

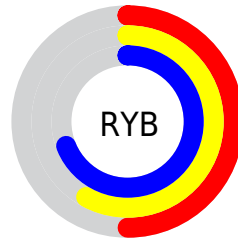
Distribution



Red (50%)

Green (65%)

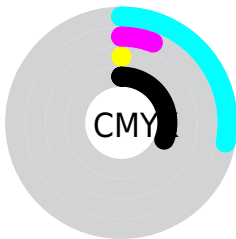
Blue (69%)



Red (50%)

Yellow (58%)

Blue (69%)

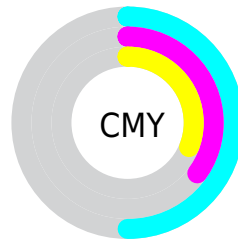


Cyan (28%)

Magenta (6%)

Yellow (0%)

Black (31%)



Cyan (50%)

Magenta (35%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.0360, 0.2715, 0.3121 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 35.0360, 0.2715, 0.3121 by changing the saturation by 10% instead.

■ 35.0360, 0.2715,
0.3121

■ 35.0360, 0.2715,
0.3121

■ 324.7272, 0.2928,
0.3212

■ 23.6906, 0.2660,
0.3096

■ 67.5415, 0.2794,
0.3156

■ 15.1043, 0.2587,
0.3062

■ 89.4705, 0.2823,
0.3168

■ 8.8926, 0.2488,
0.3014

■ 115.6960, 0.2848,
0.3179

■ 4.6712, 0.2346,
0.2943

■ 146.6026, 0.2869,
0.3188

■ 2.0557, 0.2124,
0.2822

■ 182.5746, 0.2887,
0.3195

■ 0.6395, 0.1460,
0.2611

■ 223.9965, 0.2902,

■ 0.0000, 0.0000,

0.3202

0.0000

271.2525, 0.2916,
0.3207

■ 35.0360, 0.2715,
0.3121

■ 35.0360, 0.2715,
0.3121

■ 32.3587, 0.2576,
0.3050

■ 38.0002, 0.2861,
0.3187

■ 29.9514, 0.2448,
0.2975

■ 41.2590, 0.3011,
0.3247

■ 27.8013, 0.2334,
0.2897

■ 44.8250, 0.3163,
0.3302

■ 25.8932, 0.2236,
0.2816

■ 48.7087, 0.3314,
0.3352

■ 24.2097, 0.2156,
0.2734

■ 52.9202, 0.3462,
0.3396

■ 22.7306, 0.2095,
0.2652

■ 57.4689, 0.3606,
0.3435

■ 21.4249, 0.2052,
0.2571

■ 62.3640, 0.3745,
0.3469

■ 21.1309, 0.2042,
0.2551

■ 64.7311, 0.3758,
0.3509

■ 66.5702, 0.3745,
0.3549

Harmonies

Analogous

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



35.0360, 0.2798, 0.3319



35.0360, 0.2715, 0.3121



35.0360, 0.2738, 0.2979

Triad

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



35.0360, 0.2715, 0.3121



35.0360, 0.3280, 0.3079



35.0360, 0.3391, 0.3674

Complementary

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



35.0360, 0.2715, 0.3121



29.3830, 0.3674, 0.3452

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.



35.0360, 0.3529, 0.3592



35.0360, 0.2715, 0.3121



35.0360, 0.3466, 0.3249

Square

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



35.0360, 0.2715, 0.3121



35.0360, 0.3058, 0.2961



35.0360, 0.3558, 0.3435



35.0360, 0.3184, 0.3648

Rectangle

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



35.0360, 0.2715, 0.3121



35.0360, 0.2810, 0.2932



35.0360, 0.3558, 0.3435



35.0360, 0.3447, 0.3657

Sweetspot

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



35.0374, 0.2715, 0.3121



73.6085, 0.3004, 0.3245



37.8866, 0.3010, 0.3897



15.7583, 0.2981, 0.3236



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



35.0374, 0.2715, 0.3121



59.8631, 0.2632, 0.3080



27.0875, 0.2677, 0.2736



9.3013, 0.2986, 0.3238



15.4059, 0.2045, 0.2560



0.5647, 0.2107, 0.2786

Inverse Universe

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



27.5497, 0.3275, 0.2756



44.5522, 0.3315, 0.2640



37.1433, 0.3585, 0.3788



8.6134, 0.3171, 0.3115



8.0954, 0.3863, 0.1902



0.2628, 0.3647, 0.1783

Previews

White Background



This preview shows how the Yxy color 35.0360, 0.2715, 0.3121 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 35.0360, 0.2715, 0.3121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

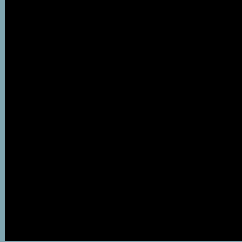
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

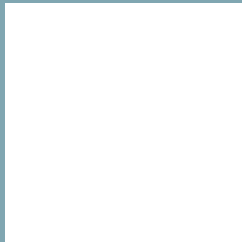
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.0360, 0.2715, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 35.0360, 0.2715, 0.3121.



This preview shows how white text looks on a background with the Yxy color 35.0360, 0.2715, 0.3121.

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

35.0360, 0.2715, 0.3121

Protanopia

34.7014, 0.3004, 0.3087

Deuteranopia

34.8044, 0.3019, 0.2953



Tritanopia

35.1163, 0.2700, 0.3091

Trichromacy



Original Color

35.0360, 0.2715, 0.3121

Protanomaly

34.7488, 0.2889, 0.3097

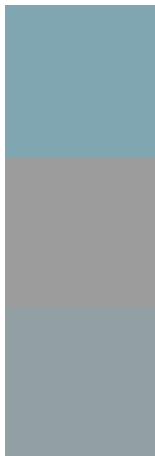
Deuteranomaly

34.6860, 0.2900, 0.3013

Tritanomaly

35.0760, 0.2707, 0.3106

Monochromacy



Original Color

35.0360, 0.2715, 0.3121

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.9329, 0.2962, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0360, 0.2715, 0.3121 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(128, 166, 177)` looks like.

```
.text, #text, p{  
    color:rgb(128, 166, 177)  
}
```

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(128, 166, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 166, 177) }
```

Border

The CSS property to change the border of an element to Yxy 35.0360, 0.2715, 0.3121 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(128, 166, 177) }
```

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

```
.border{ border-color:rgb(128, 166, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 166, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 166, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 166, 177);  
box-shadow:4px 4px 4px 4px rgb(128, 166,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0360, 0.2715, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 166, 177) }
```

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

```
.background{ background-color: rgb(128,  
166, 177) }
```

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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