

Converting Colors

$Yxy(36.3421, 0.2481, 0.3073)$

Have a look what the booklet for
Yxy(36.3421, 0.2481, 0.3073)
contains.

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Color

Yxy(36.2417, 0.2482, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	65ADBB
RGB	101, 173, 187
RGB Percent	40%, 68%, 73%
CMY	0.6037, 0.3216, 0.2668
CMYK	0.46, 0.07, 0.00, 0.27
HSL	190°, 39%, 56%
HSV	190°, 46%, 73%
XYZ	29.2812, 36.2417, 52.4514
YIQ	153.0680, -47.4060, -10.9100

Conversions

Conversions Part 2

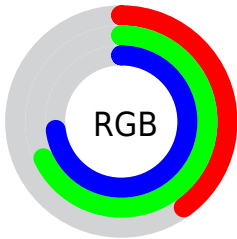
Format	Color
RYB	101, 140, 187
Decimal	6663611
CIELab	66.70, -18.79, -14.19
CIELCh	67, 23.547, 217.054
Yxy	36.2417, 0.2482, 0.3072
Android (android.graphics.Color)	4284853691 (0xFF65ADBB)
YUV	153.0680, 16.7285, -45.6636
Hunter-Lab	60.2011, -18.5312, -9.5168

Details

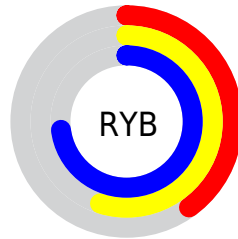
The Yxy color **36.2417, 0.2482, 0.3072** is a light color, and the websafe version is hex **669999**. A complement of this color would be **23.7682, 0.4253, 0.3489**, and the grayscale version is **31.8320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6778, 0.2606, 0.3125**, and **15.6896, 0.2288, 0.2977** is the 20% darker color. If you saturate the color by 10%, you get **34.1302, 0.2372, 0.3016**, and if you desaturate by 10%, it is **38.6281, 0.2606, 0.3125**.

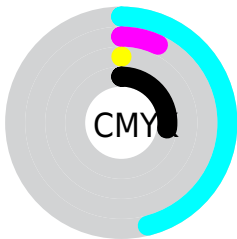
Distribution



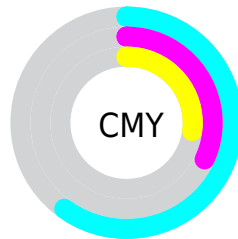
- Red (40%)
- Green (68%)
- Blue (73%)



- Red (40%)
- Yellow (55%)
- Blue (73%)



- Cyan (46%)
- Magenta (7%)
- Yellow (0%)
- Black (27%)





- Cyan (60%)
- Magenta (32%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2417, 0.2482, 0.3072 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 36.2417, 0.2482, 0.3072 by changing the saturation by 10% instead.


 36.2417, 0.2482,
0.3072


 36.2417, 0.2482,
0.3072


330.0157, 0.2810,
0.3193

 24.6209, 0.2399,
0.3038


 69.4050, 0.2602,
0.3119


 15.7949, 0.2291,
0.2992


 91.7162, 0.2647,
0.3135

 9.3791, 0.2147,
0.2927


 118.3598, 0.2685,
0.3149

 4.9893, 0.1946,
0.2828

 149.7200, 0.2718,
0.3161

 2.2410, 0.1648,
0.2664

186.1814, 0.2745,
0.3170

 0.7422, 0.0808,
0.2431

228.1282, 0.2770,

 0.0000, 0.0000,

0.3179

0.0000

275.9448, 0.2791,
0.3186

■ 36.2417, 0.2482,
0.3072

■ 36.2417, 0.2482,
0.3072

■ 34.1302, 0.2372,
0.3016

■ 38.6281, 0.2606,
0.3125

■ 32.2724, 0.2280,
0.2959

■ 41.3006, 0.2742,
0.3176

■ 30.6504, 0.2206,
0.2901

■ 44.2748, 0.2886,
0.3223

■ 29.2422, 0.2151,
0.2844

■ 47.5640, 0.3036,
0.3266

■ 28.0194, 0.2113,
0.2786

■ 51.1806, 0.3189,
0.3305

■ 27.5541, 0.2101,
0.2763

■ 55.1361, 0.3342,
0.3341

■ 59.4416, 0.3494,
0.3373

■ 64.1078, 0.3642,
0.3401

■ 66.3262, 0.3670,
0.3431

Harmonies

Analogous

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



36.2417, 0.2645, 0.3411



36.2417, 0.2482, 0.3072



36.2417, 0.2480, 0.2822

Triad

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



36.2417, 0.2482, 0.3072



36.2417, 0.3291, 0.2901



36.2417, 0.3618, 0.3900

Complementary

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



36.2417, 0.2482, 0.3072



23.7682, 0.4253, 0.3489

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.



36.2417, 0.3814, 0.3718



36.2417, 0.2482, 0.3072



36.2417, 0.3623, 0.3151

Square

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



36.2417, 0.2482, 0.3072



36.2417, 0.2930, 0.2742



36.2417, 0.3818, 0.3444



36.2417, 0.3295, 0.3915

Rectangle

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



36.2417, 0.2482, 0.3072



36.2417, 0.2569, 0.2731



36.2417, 0.3818, 0.3444



36.2417, 0.3701, 0.3855

Sweetspot

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



36.2431, 0.2482, 0.3072



80.2988, 0.2912, 0.3231



39.5129, 0.2980, 0.4499



17.4135, 0.2880, 0.3221



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



36.2431, 0.2482, 0.3072



61.1694, 0.2373, 0.3017



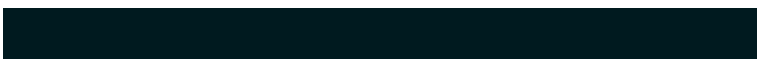
22.6210, 0.2359, 0.2374



10.5381, 0.2985, 0.3252



19.0797, 0.2103, 0.2770



0.8190, 0.2141, 0.2907

Inverse Universe

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



22.8948, 0.3342, 0.2341



35.0596, 0.3401, 0.2161



35.5821, 0.3972, 0.4052



9.6689, 0.3162, 0.3100



8.9558, 0.3662, 0.1791



0.3580, 0.3537, 0.1722

Previews

White Background



This preview shows how the Yxy color 36.2417, 0.2482, 0.3072 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 36.2417, 0.2482, 0.3072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

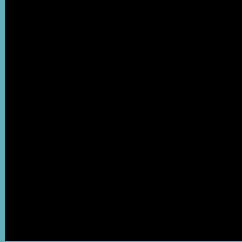
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

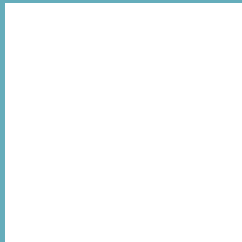
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.2417, 0.2482, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 36.2417, 0.2482, 0.3072.



This preview shows how white text looks on a background with the Yxy color 36.2417, 0.2482, 0.3072.

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

36.2417, 0.2482, 0.3072

Protanopia

35.7672, 0.2955, 0.3019

Deuteranopia

35.9580, 0.2900, 0.2847



Tritanopia

36.2417, 0.2482, 0.3072

Trichromacy



Original Color

36.2417, 0.2482, 0.3072

Protanomaly

35.6909, 0.2756, 0.3037

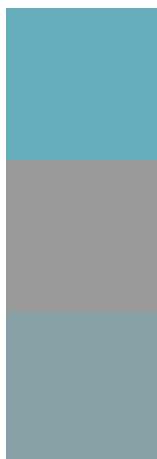
Deuteranomaly

35.4440, 0.2718, 0.2910

Tritanomaly

36.2417, 0.2482, 0.3072

Monochromacy



Original Color

36.2417, 0.2482, 0.3072

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.9266, 0.2847, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2417, 0.2482, 0.3072 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(101, 173, 187)` looks like.

```
.text, #text, p{  
    color:rgb(101, 173, 187)  
}
```

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(101, 173, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 173, 187) }
```

Border

The CSS property to change the border of an element to Yxy 36.2417, 0.2482, 0.3072 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(101, 173, 187) }
```

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

```
.border{ border-color:rgb(101, 173, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 173, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 173, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 173, 187);  
box-shadow:4px 4px 4px 4px rgb(101, 173,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2417, 0.2482, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 173, 187) }
```

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

```
.background{ background-color: rgb(101,  
173, 187) }
```

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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