

Converting Colors

$Yxy(36.7207, 0.2604, 0.3256)$

Have a look what the booklet for
Yxy(36.7207, 0.2604, 0.3256)
contains.

Yxy(36.6579, 0.2602, 0.3257)	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(36.6579, 0.2602, 0.3257)

Conversions

Conversions Part 1

Format	Color
Hex	6DAEB0
RGB	109, 174, 176
RGB Percent	43%, 68%, 69%
CMY	0.5723, 0.3177, 0.3098
CMYK	0.38, 0.01, 0.00, 0.31
HSL	182°, 30%, 56%
HSV	182°, 38%, 69%
XYZ	29.2858, 36.6579, 46.6074
YIQ	154.7930, -39.3820, -13.1580

Conversions

Conversions Part 2

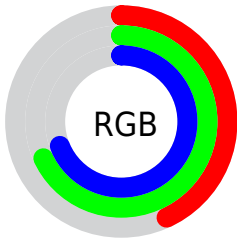
Format	Color
RYB	109, 142, 176
Decimal	7188144
CIELab	67.02, -20.13, -7.59
CIELCh	67, 21.517, 200.658
Yxy	36.6579, 0.2602, 0.3257
Android (android.graphics.Color)	4285378224 (0xFF6DAEB0)
YUV	154.7930, 10.4551, -40.1605
Hunter-Lab	60.5458, -19.6152, -3.2587

Details

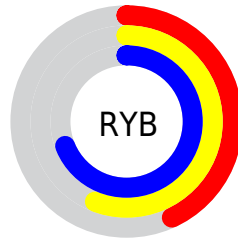
The Yxy color **36.6579, 0.2602, 0.3257** is a light color, and the websafe version is hex **669999**. A complement of this color would be **21.7237, 0.4032, 0.3323**, and the grayscale version is **32.6557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3123, 0.2701, 0.3265**, and **15.9422, 0.2434, 0.3220** is the 20% darker color. If you saturate the color by 10%, you get **35.4477, 0.2495, 0.3247**, and if you desaturate by 10%, it is **38.0953, 0.2725, 0.3266**.

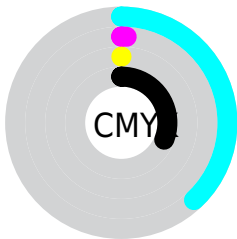
Distribution



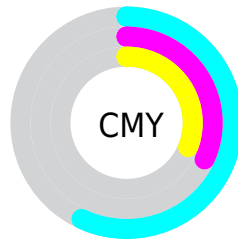
- Red (43%)
- Green (68%)
- Blue (69%)



- Red (43%)
- Yellow (56%)
- Blue (69%)



- Cyan (38%)
- Magenta (1%)
- Yellow (0%)
- Black (31%)




- Cyan (57%)
- Magenta (32%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6579, 0.2602, 0.3257 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 36.6579, 0.2602, 0.3257 by changing the saturation by 10% instead.


 36.6579, 0.2602,
0.3257


 36.6579, 0.2602,
0.3257

331.8270, 0.2871,
0.3279


 24.9427, 0.2533,
0.3250


 70.0463, 0.2701,
0.3266


 16.0344, 0.2443,
0.3239


 92.4884, 0.2738,
0.3270

 9.5485, 0.2322,
0.3222


 119.2748, 0.2769,
0.3272

 5.1006, 0.2150,
0.3193

 150.7901, 0.2795,
0.3274

 2.3064, 0.1888,
0.3138

187.4185, 0.2818,
0.3276

 0.7771, 0.1003,
0.3156

229.5446, 0.2838,

 0.0000, 0.0000,

0.3277

0.0000

277.5526, 0.2856,
0.3278

■ 36.6579, 0.2602,
0.3257

■ 36.6579, 0.2602,
0.3257

■ 35.4477, 0.2495,
0.3247

■ 38.0953, 0.2725,
0.3266

■ 34.4471, 0.2404,
0.3237

■ 39.7679, 0.2860,
0.3275

■ 33.6425, 0.2332,
0.3227

■ 41.6885, 0.3005,
0.3284

■ 33.0173, 0.2279,
0.3217

■ 43.8679, 0.3158,
0.3291

■ 32.5517, 0.2244,
0.3207

■ 46.3160, 0.3314,
0.3299

■ 32.2139, 0.2225,
0.3198

■ 49.0424, 0.3472,
0.3305

■ 32.1522, 0.2221,
0.3196

■ 52.0561, 0.3629,
0.3311

■ 55.3656, 0.3784,
0.3316

■ 56.5358, 0.3827,
0.3321

Harmonies

Analogous

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



36.6579, 0.2823, 0.3569



36.6579, 0.2602, 0.3257



36.6579, 0.2517, 0.2976

Triad

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



36.6579, 0.2602, 0.3257



36.6579, 0.3095, 0.2841



36.6579, 0.3691, 0.3772

Complementary

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



36.6579, 0.2602, 0.3257



21.7237, 0.4032, 0.3323

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.



36.6579, 0.3778, 0.3553



36.6579, 0.2602, 0.3257



36.6579, 0.3424, 0.3030

Square

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



36.6579, 0.2602, 0.3257



36.6579, 0.2790, 0.2756



36.6579, 0.3679, 0.3284



36.6579, 0.3452, 0.3873

Rectangle

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



36.6579, 0.2602, 0.3257



36.6579, 0.2545, 0.2844



36.6579, 0.3679, 0.3284



36.6579, 0.3740, 0.3708

Sweetspot

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



36.6593, 0.2602, 0.3257



74.4541, 0.2958, 0.3281



35.4377, 0.3066, 0.4405



16.0346, 0.2939, 0.3280



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.



36.6593, 0.2602, 0.3257



64.5356, 0.2507, 0.3248



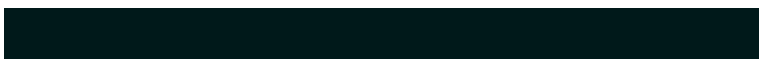
25.5653, 0.2524, 0.2718



9.5868, 0.2986, 0.3283



23.6058, 0.2221, 0.3197



0.7563, 0.2229, 0.3224

Inverse Universe

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



23.2391, 0.3193, 0.2392



36.6471, 0.3209, 0.2201



30.1780, 0.3849, 0.3797



8.6422, 0.3142, 0.3072



8.9232, 0.3285, 0.1583



0.2821, 0.3262, 0.1571

Previews

White Background



This preview shows how the Yxy color 36.6579, 0.2602, 0.3257 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 36.6579, 0.2602, 0.3257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

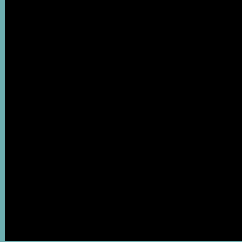
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

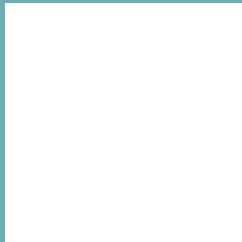
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.6579, 0.2602, 0.3257

Background



This preview shows how black text looks on a background with the Yxy color 36.6579, 0.2602, 0.3257.

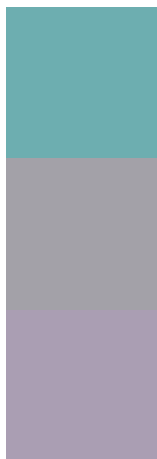


This preview shows how white text looks on a background with the Yxy color 36.6579, 0.2602, 0.3257.

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

36.6579, 0.2602, 0.3257

Protanopia

36.1034, 0.3085, 0.3190

Deuteranopia

36.2544, 0.3056, 0.2999



Tritanopia

36.4950, 0.2553, 0.3075

Trichromacy



Original Color

36.6579, 0.2602, 0.3257

Protanomaly

36.0524, 0.2881, 0.3215

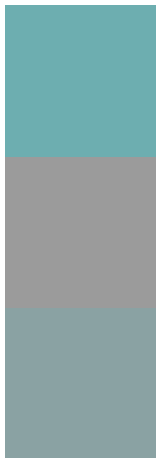
Deuteranomaly

36.0612, 0.2868, 0.3085

Tritanomaly

36.6440, 0.2574, 0.3150

Monochromacy



Original Color

36.6579, 0.2602, 0.3257

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.8883, 0.2899, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6579, 0.2602, 0.3257 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(109, 174, 176)` looks like.

```
.text, #text, p{  
    color:rgb(109, 174, 176)  
}
```

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(109, 174, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 174, 176) }
```

Border

The CSS property to change the border of an element to Yxy 36.6579, 0.2602, 0.3257 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(109, 174, 176) }
```

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

```
.border{ border-color:rgb(109, 174, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 174, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 174, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 174, 176);  
box-shadow:4px 4px 4px 4px rgb(109, 174,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6579, 0.2602, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 174, 176) }
```

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

```
.background{ background-color: rgb(109,  
174, 176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor