

Converting Colors

$Yxy(36.5028, 0.2635, 0.3416)$

Have a look what the booklet for
Yxy(36.5028, 0.2635, 0.3416)
contains.

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Color

Yxy(36.4532, 0.2637, 0.3417)

Conversions

Conversions Part 1

Format	Color
Hex	69AFA7
RGB	105, 175, 167
RGB Percent	41%, 69%, 65%
CMY	0.5881, 0.3137, 0.3452
CMYK	0.40, 0.00, 0.05, 0.31
HSL	173°, 30%, 55%
HSV	173°, 40%, 69%
XYZ	28.1320, 36.4532, 42.0967
YIQ	153.1580, -39.1520, -17.3280

Conversions

Conversions Part 2

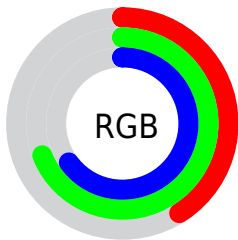
Format	Color
RYB	105, 142, 175
Decimal	6926247
CIELab	66.86, -23.96, -2.83
CIELCh	67, 24.128, 186.735
Yxy	36.4532, 0.2637, 0.3417
Android (android.graphics.Color)	4285116327 (0xFF69AFA7)
YUV	153.1580, 6.8241, -42.2346
Hunter-Lab	60.3765, -22.4880, 0.9244

Details

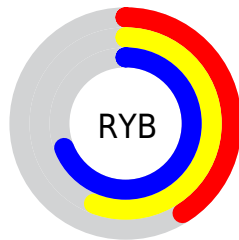
The Yxy color **36.4532, 0.2637, 0.3417** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.4204, 0.3996, 0.3172**, and the grayscale version is **31.9142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7967, 0.2728, 0.3397**, and **15.8607, 0.2485, 0.3451** is the 20% darker color. If you saturate the color by 10%, you get **35.4275, 0.2545, 0.3454**, and if you desaturate by 10%, it is **37.7010, 0.2744, 0.3382**.

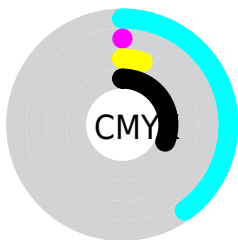
Distribution



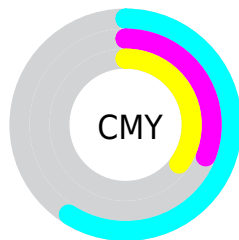
- Red (41%)
- Green (69%)
- Blue (65%)



- Red (41%)
- Yellow (56%)
- Blue (69%)



- Cyan (40%)
- Magenta (0%)
- Yellow (5%)
- Black (31%)





- Cyan (59%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4532, 0.2637, 0.3417 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 36.4532, 0.2637, 0.3417 by changing the saturation by 10% instead.


 36.4532, 0.2637,
0.3417


 36.4532, 0.2637,
0.3417

330.9371, 0.2890,
0.3354


 24.7844, 0.2571,
0.3433


 69.7310, 0.2731,
0.3394


 15.9165, 0.2486,
0.3453

 92.1088, 0.2765,
0.3385

 9.4651, 0.2369,
0.3479


 118.8251, 0.2794,
0.3378

 5.0458, 0.2202,
0.3515

 150.2642, 0.2819,
0.3372

 2.2741, 0.1943,
0.3565

186.8105, 0.2840,
0.3366

 0.7600, 0.0714,
0.3950

228.8486, 0.2859,

 0.0000, 0.0000,

0.3362

0.0000

276.7626, 0.2875,
0.3357

■ 36.4532, 0.2637,
0.3417

■ 36.4532, 0.2637,
0.3417

■ 35.4275, 0.2545,
0.3454

■ 37.7010, 0.2744,
0.3382

■ 34.6061, 0.2469,
0.3492

■ 39.1789, 0.2863,
0.3349

■ 33.9755, 0.2412,
0.3532


■ 40.8998, 0.2992,
0.3318

■ 33.5187, 0.2373,
0.3571


■ 42.8743, 0.3128,
0.3290


■ 33.2157, 0.2353,
0.3610


■ 45.1125, 0.3267,
0.3265

 33.0237, 0.2347,
0.3649

 47.6237, 0.3408,
0.3242

 33.0232, 0.2347,
0.3650

 50.4170, 0.3548,
0.3222

 53.5010, 0.3687,
0.3204

 55.4247, 0.3756,
0.3186

Harmonies

Analogous

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



36.4532, 0.2938, 0.3746



36.4532, 0.2637, 0.3417



36.4532, 0.2469, 0.3070

Triad

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



36.4532, 0.2637, 0.3417



36.4532, 0.2922, 0.2729



36.4532, 0.3831, 0.3724

Complementary

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



36.4532, 0.2637, 0.3417



20.4204, 0.3996, 0.3172

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.



36.4532, 0.3833, 0.3443



36.4532, 0.2637, 0.3417



36.4532, 0.3291, 0.2890

Square

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



36.4532, 0.2637, 0.3417



36.4532, 0.2625, 0.2698



36.4532, 0.3631, 0.3144



36.4532, 0.3631, 0.3913

Rectangle

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



36.4532, 0.2637, 0.3417



36.4532, 0.2448, 0.2884



36.4532, 0.3631, 0.3144



36.4532, 0.3855, 0.3637

Sweetspot

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



36.4546, 0.2637, 0.3417



72.5233, 0.2963, 0.3325



35.2051, 0.3137, 0.4468



16.0296, 0.2946, 0.3328



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.



36.4546, 0.2637, 0.3417



63.6411, 0.2554, 0.3450



27.3387, 0.2517, 0.2845



9.0560, 0.3001, 0.3316



23.6549, 0.2346, 0.3645



0.6624, 0.2313, 0.3526

Inverse Universe

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



20.4204, 0.3996, 0.3172



30.9087, 0.4300, 0.3149



26.5997, 0.3949, 0.3691



8.0298, 0.3269, 0.3264



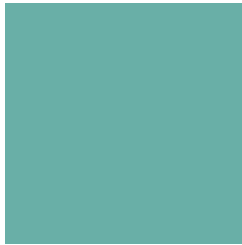
6.5681, 0.6236, 0.3209



0.1873, 0.5671, 0.2898

Previews

White Background



This preview shows how the Yxy color 36.4532, 0.2637, 0.3417 looks on a white background.

Color Contrast Check

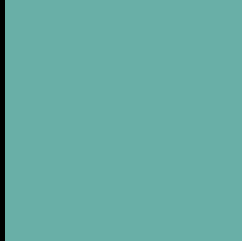
Large Text (above 18pt) WCAG AA × Fail

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 36.4532, 0.2637, 0.3417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

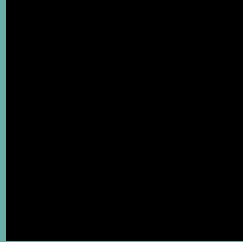
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.4532, 0.2637, 0.3417

Background



This preview shows how black text looks on a background with the Yxy color 36.4532, 0.2637, 0.3417.

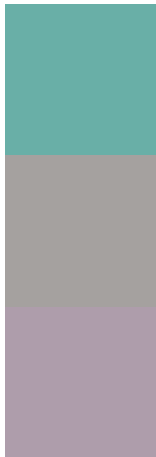


This preview shows how white text looks on a background with the Yxy color 36.4532, 0.2637, 0.3417.

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

36.4532, 0.2637, 0.3417

Protanopia

35.9923, 0.3183, 0.3319

Deuteranopia

36.0529, 0.3165, 0.3096



Tritanopia

36.3652, 0.2540, 0.3074

Trichromacy



Original Color

36.4532, 0.2637, 0.3417

Protanomaly

35.7207, 0.2953, 0.3350

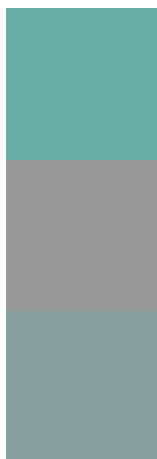
Deuteranomaly

35.8428, 0.2940, 0.3201

Tritanomaly

36.3300, 0.2574, 0.3195

Monochromacy



Original Color

36.4532, 0.2637, 0.3417

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.1926, 0.2922, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4532, 0.2637, 0.3417 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(105, 175, 167)` looks like.

```
.text, #text, p{  
    color:rgb(105, 175, 167)  
}
```

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(105, 175, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 175, 167) }
```

Border

The CSS property to change the border of an element to Yxy 36.4532, 0.2637, 0.3417 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(105, 175, 167) }
```

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

```
.border{ border-color:rgb(105, 175, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 175, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 175, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 175, 167);  
box-shadow:4px 4px 4px 4px rgb(105, 175,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4532, 0.2637, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 175, 167) }
```

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

```
.background{ background-color: rgb(105,  
175, 167) }
```

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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