

Converting Colors

$Yxy(36.1542, 0.3008, 0.4727)$

Have a look what the booklet for
Yxy(36.1542, 0.3008, 0.4727)
contains.

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Color

Yxy(36.1032, 0.3005, 0.4728)

Conversions

Conversions Part 1

Format	Color
Hex	5AB562
RGB	90, 181, 98
RGB Percent	35%, 71%, 38%
CMY	0.6469, 0.2902, 0.6157
CMYK	0.50, 0.00, 0.46, 0.29
HSL	125°, 38%, 53%
HSV	125°, 50%, 71%
XYZ	22.9463, 36.1032, 17.3109
YIQ	144.3290, -27.5930, -45.1050

Conversions

Conversions Part 2

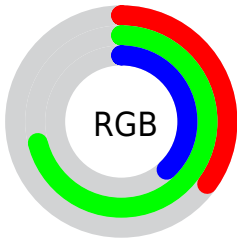
Format	Color
RYB	90, 174, 181
Decimal	5944674
CIELab	66.60, -44.69, 34.06
CIELCh	67, 56.195, 142.686
Yxy	36.1032, 0.3005, 0.4728
Android (android.graphics.Color)	4284134754 (0xFF5AB562)
YUV	144.3290, -22.8402, -47.6465
Hunter-Lab	60.0859, -36.9828, 24.9786

Details

The Yxy color **36.1032, 0.3005, 0.4728** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **20.1596, 0.3280, 0.2185**, and the grayscale version is **28.1346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4621, 0.3051, 0.4421**, and **15.6617, 0.2904, 0.5258** is the 20% darker color. If you saturate the color by 10%, you get **35.0242, 0.2988, 0.5057**, and if you desaturate by 10%, it is **37.4706, 0.3027, 0.4398**.

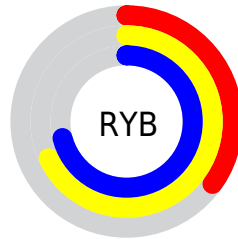
Distribution



Red (35%)

Green (71%)

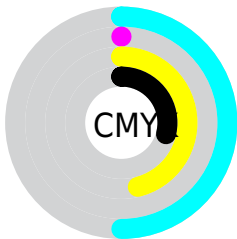
Blue (38%)



Red (35%)

Yellow (68%)

Blue (71%)

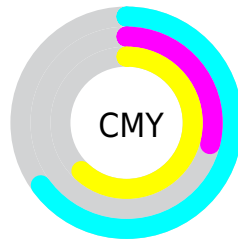


Cyan (50%)

Magenta (0%)

Yellow (46%)

Black (29%)



Cyan (65%)


Magenta (29%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1032, 0.3005, 0.4728 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 36.1032, 0.3005, 0.4728 by changing the saturation by 10% instead.


 36.1032, 0.3005,
0.4728


 36.1032, 0.3005,
0.4728


329.4114, 0.3101,
0.3929

 24.5139, 0.2966,
0.4954


 69.1913, 0.3050,
0.4418


 15.7153, 0.2904,
0.5260


 91.4589, 0.3064,
0.4307

 9.3229, 0.2800,
0.5692


 118.0548, 0.3074,
0.4216

 4.9524, 0.2608,
0.6337

 149.3633, 0.3082,
0.4140

 2.2194, 0.2280,
0.7720

185.7688, 0.3088,
0.4075

 0.7305, 0.0000,
1.0000

227.6557, 0.3093,

 0.0000, 0.0000,

0.4019

0.0000

275.4084, 0.3097,
0.3971

■ 36.1032, 0.3005,
0.4728

■ 36.1032, 0.3005,
0.4728

■ 35.0242, 0.2988,
0.5057

■ 37.4706, 0.3027,
0.4398

■ 34.2087, 0.2977,
0.5362

■ 39.1403, 0.3051,
0.4082

■ 33.6353, 0.2973,
0.5623

■ 41.1304, 0.3077,
0.3790

■ 33.2769, 0.2977,
0.5819

■ 43.4566, 0.3102,
0.3527

■ 33.0850, 0.2983,
0.5940

■ 46.1334, 0.3127,
0.3296

■ 49.1745, 0.3149,
0.3093

■ 52.5929, 0.3171,
0.2918

■ 56.4008, 0.3190,
0.2767

■ 60.6101, 0.3208,
0.2637

Harmonies

Analogous

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



36.1032, 0.3808, 0.4837



36.1032, 0.3005, 0.4728



36.1032, 0.2278, 0.3995

Triad

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



36.1032, 0.3005, 0.4728



36.1032, 0.1853, 0.2072



36.1032, 0.4621, 0.3233

Complementary

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



36.1032, 0.3005, 0.4728



20.1596, 0.3280, 0.2185

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.



36.1032, 0.3940, 0.2680



36.1032, 0.3005, 0.4728



36.1032, 0.2317, 0.2041

Square

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



36.1032, 0.3005, 0.4728



36.1032, 0.1685, 0.2397



36.1032, 0.3061, 0.2259



36.1032, 0.4805, 0.3843

Rectangle

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



36.1032, 0.3005, 0.4728



36.1032, 0.1936, 0.3364



36.1032, 0.3061, 0.2259



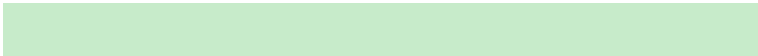
36.1032, 0.4439, 0.3039

Sweetspot

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



36.1047, 0.3005, 0.4728



75.6736, 0.3090, 0.3655



42.7189, 0.3779, 0.4522



16.1720, 0.3084, 0.3710



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



36.1047, 0.3005, 0.4728



62.6030, 0.2987, 0.5080



37.2092, 0.2713, 0.3926



9.5018, 0.3105, 0.3504



22.8125, 0.2980, 0.5930



0.7217, 0.2904, 0.5655

Inverse Universe

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



20.1596, 0.3280, 0.2185



30.8603, 0.3317, 0.1994



18.6976, 0.3918, 0.2753



8.6336, 0.3150, 0.3085



8.6543, 0.3439, 0.1668



0.2760, 0.3368, 0.1629

Previews

White Background



This preview shows how the Yxy color 36.1032, 0.3005, 0.4728 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 36.1032, 0.3005, 0.4728 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 36.1032, 0.3005, 0.4728

Background



This preview shows how black text looks on a background with the Yxy color 36.1032, 0.3005, 0.4728.



This preview shows how white text looks on a background with the Yxy color 36.1032, 0.3005, 0.4728.

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

36.1032, 0.3005, 0.4728

Protanopia

35.5922, 0.3929, 0.4268

Deuteranopia

35.6005, 0.4027, 0.3944



Tritanopia

35.9436, 0.2544, 0.3073

Trichromacy



Original Color

36.1032, 0.3005, 0.4728



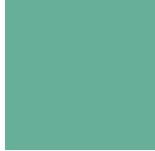
Protanomaly

34.8332, 0.3534, 0.4444



Deuteranomaly

34.5781, 0.3598, 0.4235



Tritanomaly

35.8434, 0.2717, 0.3651

Monochromacy



Original Color

36.1032, 0.3005, 0.4728



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

29.9313, 0.3074, 0.3803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1032, 0.3005, 0.4728 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(90, 181, 98)` looks like.

```
.text, #text, p{  
    color:rgb(90, 181, 98)  
}
```

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(90, 181, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 181, 98) }
```

Border

The CSS property to change the border of an element to Yxy 36.1032, 0.3005, 0.4728 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(90, 181, 98) }
```

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

```
.border{ border-color:rgb(90, 181, 98) }
```

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

Here you see how a box with a 4 pixel rgb(90, 181, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 181, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 181, 98);  
box-shadow:4px 4px 4px 4px rgb(90, 181,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1032, 0.3005, 0.4728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 181, 98) }
```

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

```
.background{ background-color: rgb(90, 181,  
98) }
```

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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