

Converting Colors

$Y_{xy}(37.0299, 0.3261, 0.5693)$

Have a look what the booklet for
Yxy(37.0299, 0.3261, 0.5693)
contains.

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Color

Yxy(36.9696, 0.3262, 0.5694)

Conversions

Conversions Part 1

Format	Color
Hex	52BA16
RGB	82, 186, 22
RGB Percent	32%, 73%, 9%
CMY	0.6787, 0.2705, 0.9137
CMYK	0.56, 0.00, 0.88, 0.27
HSL	98°, 79%, 41%
HSV	98°, 88%, 73%
XYZ	21.1793, 36.9696, 6.7784
YIQ	136.2080, -9.3400, -73.0520

Conversions

Conversions Part 2

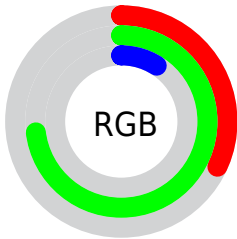
Format	Color
R _Y B	22, 186, 126
Decimal	5421590
CIE Lab	67.25, -55.73, 64.28
CIE LCh	67, 85.069, 130.924
Yxy	36.9696, 0.3262, 0.5694
Android (android.graphics.Color)	4283611670 (0xFF52BA16)
YUV	136.2080, -56.3045, -47.5404
Hunter-Lab	60.8026, -44.2280, 35.9521

Details

The Yxy color **36.9696, 0.3262, 0.5694** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **8.5614, 0.2417, 0.1165**, and the grayscale version is **24.9157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5239, 0.3314, 0.5206**, and **16.5025, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **36.4367, 0.3212, 0.5818**, and if you desaturate by 10%, it is **37.6456, 0.3299, 0.5509**.

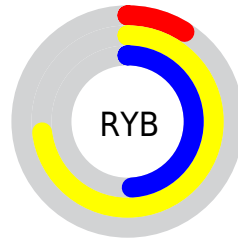
Distribution



Red (32%)

Green (73%)

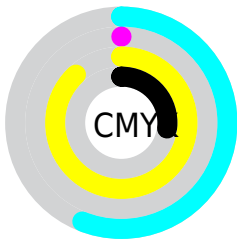
Blue (9%)



Red (9%)

Yellow (73%)

Blue (49%)

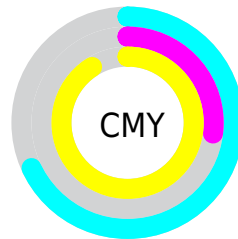


Cyan (56%)

Magenta (0%)

Yellow (88%)

Black (27%)



Cyan (68%)


Magenta (27%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9696, 0.3262, 0.5694 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 36.9696, 0.3262, 0.5694 by changing the saturation by 10% instead.


 36.9696, 0.3262,
0.5694


 36.9696, 0.3262,
0.5694


333.1789, 0.3304,
0.4387


 25.1840, 0.3198,
0.6025


 70.5260, 0.3313,
0.5207

 16.2142, 0.3080,
0.6435


 93.0656, 0.3321,
0.5027

 9.6758, 0.2921,
0.7079


 119.9586, 0.3323,
0.4875

 5.1846, 0.2467,
0.7533

 151.5894, 0.3322,
0.4747

 2.3560, 0.1619,
0.8381

 188.3425, 0.3319,
0.4637

 0.8031, 0.0000,
1.0000

 230.6021, 0.3314,

 0.0000, 0.0000,

0.4542

0.0000

278.7528, 0.3309,
0.4460

■ 36.9696, 0.3262,
0.5694

■ 36.9696, 0.3262,
0.5694

■ 36.4367, 0.3212,
0.5818

■ 37.6456, 0.3299,
0.5509

■ 36.3502, 0.3203,
0.5839

■ 38.4765, 0.3320,
0.5268

■ 39.4756, 0.3323,
0.4985

■ 40.6534, 0.3310,
0.4677

■ 42.0192, 0.3284,
0.4363

■ 43.5816, 0.3249,
0.4054

■ 45.3489, 0.3208,
0.3762

■ 47.3285, 0.3164,
0.3492

■ 49.5276, 0.3119,
0.3247

Harmonies

Analogous

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



36.9696, 0.4341, 0.5242



36.9696, 0.3262, 0.5694



36.9696, 0.2204, 0.4963

Triad

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



36.9696, 0.3262, 0.5694



36.9696, 0.1269, 0.1700



36.9696, 0.5027, 0.2823

Complementary

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



36.9696, 0.3262, 0.5694



8.5614, 0.2417, 0.1165

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.



36.9696, 0.3793, 0.2176



36.9696, 0.3262, 0.5694



36.9696, 0.1696, 0.1564

Square

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



36.9696, 0.3262, 0.5694



36.9696, 0.1184, 0.2253



36.9696, 0.2540, 0.1733



36.9696, 0.5550, 0.3562

Rectangle

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



36.9696, 0.3262, 0.5694



36.9696, 0.1660, 0.3933



36.9696, 0.2540, 0.1733



36.9696, 0.4665, 0.2593

Sweetspot

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



36.9712, 0.3262, 0.5694



79.5144, 0.3243, 0.4002



25.3883, 0.4849, 0.4421



17.2794, 0.3256, 0.4107



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.



36.9712, 0.3262, 0.5694



65.7535, 0.3192, 0.5847



35.4738, 0.2955, 0.5715



10.2156, 0.3169, 0.3522



24.4914, 0.3212, 0.5831



0.8990, 0.3429, 0.5659

Inverse Universe

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



8.5614, 0.2417, 0.1165



13.2692, 0.2295, 0.1038



13.7000, 0.3523, 0.1771



8.9942, 0.3081, 0.3061



5.0214, 0.2320, 0.1052



0.2108, 0.2554, 0.1181

Previews

White Background



This preview shows how the Yxy color 36.9696, 0.3262, 0.5694 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 36.9696, 0.3262, 0.5694 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 36.9696, 0.3262, 0.5694

Background



This preview shows how black text looks on a background with the Yxy color 36.9696, 0.3262, 0.5694.



This preview shows how white text looks on a background with the Yxy color 36.9696, 0.3262, 0.5694.

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

36.9696, 0.3262, 0.5694

Protanopia

36.2907, 0.4380, 0.4861

Deuteranopia

36.1304, 0.4588, 0.4491



Tritanopia

36.7900, 0.2536, 0.3075

Trichromacy



Original Color

36.9696, 0.3262, 0.5694



Protanomaly

35.2742, 0.3917, 0.5211



Deuteranomaly

34.8734, 0.4051, 0.4966



Tritanomaly

36.0824, 0.2880, 0.4156

Monochromacy



Original Color

36.9696, 0.3262, 0.5694



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.6504, 0.3277, 0.4352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9696, 0.3262, 0.5694 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(82, 186, 22)` looks like.

```
.text, #text, p{  
    color:rgb(82, 186, 22)  
}
```

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(82, 186, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 186, 22) }
```

Border

The CSS property to change the border of an element to Yxy 36.9696, 0.3262, 0.5694 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(82, 186, 22) }
```

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

```
.border{ border-color:rgb(82, 186, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 186, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 186, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 186, 22);  
box-shadow:4px 4px 4px 4px rgb(82, 186,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9696, 0.3262, 0.5694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 186, 22) }
```

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

```
.background{ background-color: rgb(82, 186,  
22) }
```

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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