

Converting Colors

$Y_{xy}(36.7710, 0.3422, 0.5574)$

Have a look what the booklet for
Yxy(36.7710, 0.3422, 0.5574)
contains.

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Color

Yxy(36.7459, 0.3421, 0.5575)

Conversions

Conversions Part 1

Format	Color
Hex	66B715
RGB	102, 183, 21
RGB Percent	40%, 72%, 8%
CMY	0.6000, 0.2823, 0.9173
CMYK	0.44, 0.00, 0.88, 0.28
HSL	90°, 79%, 40%
HSV	90°, 88%, 72%
XYZ	22.5485, 36.7459, 6.6176
YIQ	140.3130, 3.7260, -67.5540

Conversions

Conversions Part 2

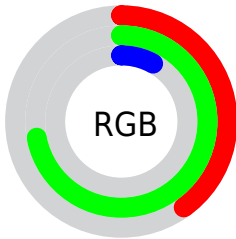
Format	Color
R _Y B	21, 183, 102
Decimal	6731541
CIE Lab	67.09, -48.60, 64.62
CIE LCh	67, 80.857, 126.949
Yxy	36.7459, 0.3421, 0.5575
Android (android.graphics.Color)	4284921621 (0xFF66B715)
YUV	140.3130, -58.8213, -33.6005
Hunter-Lab	60.6184, -39.6848, 35.9603

Details

The Yxy color **36.7459, 0.3421, 0.5575** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **6.7893, 0.2153, 0.1022**, and the grayscale version is **26.5904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4496, 0.3441, 0.5126**, and **16.1516, 0.3169, 0.5866** is the 20% darker color. If you saturate the color by 10%, you get **36.1934, 0.3373, 0.5693**, and if you desaturate by 10%, it is **37.4069, 0.3451, 0.5405**.

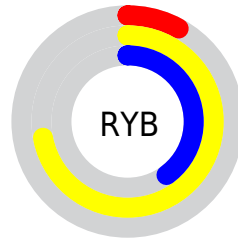
Distribution



Red (40%)

Green (72%)

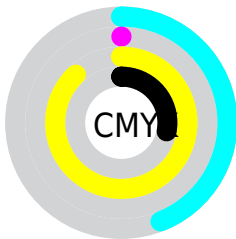
Blue (8%)



Red (8%)

Yellow (72%)

Blue (40%)

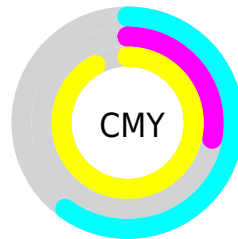


Cyan (44%)

Magenta (0%)

Yellow (88%)

Black (28%)



Cyan (60%)


Magenta (28%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7459, 0.3421, 0.5575 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 36.7459, 0.3421, 0.5575 by changing the saturation by 10% instead.


 36.7459, 0.3421,
0.5575


 36.7459, 0.3421,
0.5575


332.2091, 0.3376,
0.4347


 25.0108, 0.3380,
0.5879


 70.1818, 0.3440,
0.5123


 16.0851, 0.3292,
0.6253


 92.6514, 0.3435,
0.4953

 9.5844, 0.3171,
0.6829


 119.4680, 0.3427,
0.4811

 5.1243, 0.2767,
0.7233

 151.0159, 0.3418,
0.4689

 2.3204, 0.2085,
0.7915

 187.6796, 0.3407,
0.4586

 0.7845, 0.0000,
1.0000

 229.8434, 0.3396,

 0.0000, 0.0000,

0.4495

0.0000

277.8918, 0.3386,
0.4417

■ 36.7459, 0.3421,
0.5575

■ 36.7459, 0.3421,
0.5575

■ 36.1934, 0.3373,
0.5693

■ 37.4069, 0.3451,
0.5405

■ 36.1153, 0.3366,
0.5709

■ 38.1859, 0.3459,
0.5184

■ 39.0937, 0.3446,
0.4924

■ 40.1382, 0.3415,
0.4638

■ 41.3266, 0.3369,
0.4342

■ 42.6655, 0.3312,
0.4048

■ 44.1611, 0.3249,
0.3765

■ 45.8190, 0.3183,
0.3499

■ 47.6447, 0.3117,
0.3254

Harmonies

Analogous

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



36.7459, 0.4446, 0.5083



36.7459, 0.3421, 0.5575



36.7459, 0.2378, 0.5032

Triad

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



36.7459, 0.3421, 0.5575



36.7459, 0.1300, 0.1805



36.7459, 0.4811, 0.2759

Complementary

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



36.7459, 0.3421, 0.5575



6.7893, 0.2153, 0.1022

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.



36.7459, 0.3596, 0.2148



36.7459, 0.3421, 0.5575



36.7459, 0.1671, 0.1622

Square

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



36.7459, 0.3421, 0.5575



36.7459, 0.1264, 0.2416



36.7459, 0.2435, 0.1748



36.7459, 0.5433, 0.3475

Rectangle

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



36.7459, 0.3421, 0.5575



36.7459, 0.1814, 0.4106



36.7459, 0.2435, 0.1748



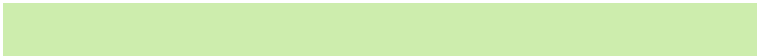
36.7459, 0.4441, 0.2539

Sweetspot

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



36.7475, 0.3421, 0.5575



76.6724, 0.3306, 0.4018



19.6342, 0.5166, 0.4153



16.7457, 0.3326, 0.4117



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.7475, 0.3421, 0.5575



64.5418, 0.3355, 0.5718



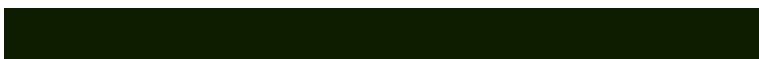
34.0835, 0.3005, 0.5893



10.2746, 0.3189, 0.3521



25.2343, 0.3375, 0.5703



0.9264, 0.3576, 0.5542

Inverse Universe

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



6.7893, 0.2153, 0.1022



10.0206, 0.2009, 0.0880



14.0265, 0.3207, 0.1587



8.9342, 0.3060, 0.3059



3.9974, 0.2037, 0.0896



0.1777, 0.2325, 0.1055

Previews

White Background



This preview shows how the Yxy color 36.7459, 0.3421, 0.5575 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 36.7459, 0.3421, 0.5575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

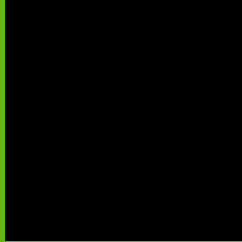
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7459, 0.3421, 0.5575

Background



This preview shows how black text looks on a background with the Yxy color 36.7459, 0.3421, 0.5575.



This preview shows how white text looks on a background with the Yxy color 36.7459, 0.3421, 0.5575.

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

36.7459, 0.3421, 0.5575

Protanopia

36.2907, 0.4380, 0.4861

Deuteranopia

36.1087, 0.4602, 0.4508



Tritanopia

36.4952, 0.2643, 0.3078

Trichromacy



Original Color

36.7459, 0.3421, 0.5575

Protanomaly

35.6569, 0.4007, 0.5141

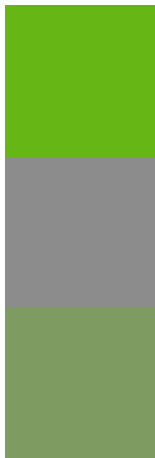
Deuteranomaly

35.2413, 0.4141, 0.4917

Tritanomaly

35.8536, 0.3014, 0.4120

Monochromacy



Original Color

36.7459, 0.3421, 0.5575

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

29.0756, 0.3358, 0.4310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7459, 0.3421, 0.5575 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(102, 183, 21)` looks like.

```
.text, #text, p{  
    color:rgb(102, 183, 21)  
}
```

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(102, 183, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 183, 21) }
```

Border

The CSS property to change the border of an element to Yxy 36.7459, 0.3421, 0.5575 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(102, 183, 21) }
```

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

```
.border{ border-color:rgb(102, 183, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 183, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 183, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 183, 21);  
box-shadow:4px 4px 4px 4px rgb(102, 183,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7459, 0.3421, 0.5575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 183, 21) }
```

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

```
.background{ background-color: rgb(102,  
183, 21) }
```

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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