

Converting Colors

Yxy(64.9990, 0.3014, 0.5050)

Have a look what the booklet for
Yxy(64.9990, 0.3014, 0.5050)
contains.

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Color

Yxy(65.0780, 0.3012, 0.5050)

Conversions

Conversions Part 1

Format	Color
Hex	66EE6D
RGB	102, 238, 109
RGB Percent	40%, 93%, 43%
CMY	0.5999, 0.0667, 0.5727
CMYK	0.57, 0.00, 0.54, 0.07
HSL	123°, 80%, 67%
HSV	123°, 57%, 93%
XYZ	38.8148, 65.0780, 24.9745
YIQ	182.6300, -39.6470, -68.9510

Conversions

Conversions Part 2

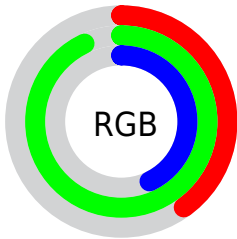
Format	Color
RYB	102, 231, 238
Decimal	6745709
CIELab	84.52, -62.34, 50.89
CIELCh	85, 80.471, 140.772
Yxy	65.0780, 0.3012, 0.5050
Android (android.graphics.Color)	4284935789 (0xFF66EE6D)
YUV	182.6300, -36.2996, -70.7125
Hunter-Lab	80.6709, -55.2888, 38.1144

Details

The Yxy color **65.0780, 0.3012, 0.5050** is a dark color, and the websafe version is hex **66FF66**. A complement of this color would be **33.4577, 0.3258, 0.2002**, and the grayscale version is **47.3623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9509, 0.3076, 0.4386**, and **33.5154, 0.2913, 0.5550** is the 20% darker color. If you saturate the color by 10%, you get **63.4583, 0.2999, 0.5371**, and if you desaturate by 10%, it is **67.2271, 0.3030, 0.4705**.

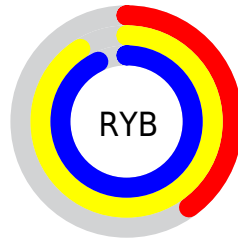
Distribution



Red (40%)

Green (93%)

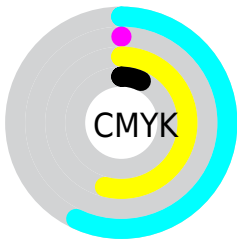
Blue (43%)



Red (40%)

Yellow (91%)

Blue (93%)

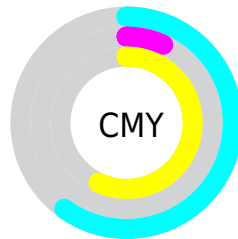


Cyan (57%)

Magenta (0%)

Yellow (54%)

Black (7%)



Cyan (60%)


Magenta (7%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.0780, 0.3012, 0.5050 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 65.0780, 0.3012, 0.5050 by changing the saturation by 10% instead.


 65.0780, 0.3012,
0.5050


 65.0780, 0.3012,
0.5050

443.0722, 0.3116,
0.4154

 47.5243, 0.2972,
0.5271


 112.1620, 0.3060,
0.4725

 33.4503, 0.2913,
0.5551


 142.4611, 0.3075,
0.4602

 22.4717, 0.2823,
0.5912


 177.7775, 0.3087,
0.4499

 14.2039, 0.2676,
0.6388

 218.4955, 0.3096,
0.4410

 8.2626, 0.2436,
0.7049

264.9996, 0.3103,
0.4333

 4.2634, 0.2018,
0.7982

317.6742, 0.3108,

 1.8220, 0.0036,

0.4266

0.9964

376.9036, 0.3112,
0.4207

0.5008, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.0780, 0.3012,
0.5050

65.0780, 0.3012,
0.5050

63.4583, 0.2999,
0.5371

67.2271, 0.3030,
0.4705

62.3150, 0.2991,
0.5641


69.9372, 0.3050,
0.4360


61.5982, 0.2990,
0.5840


73.2471, 0.3072,
0.4031


61.2409, 0.2993,
0.5956

77.1896, 0.3093,
0.3730

 61.1780, 0.2993,
0.5976

 81.7953, 0.3113,
0.3461

 87.0928, 0.3132,
0.3226

 89.6311, 0.3135,
0.3127

Harmonies

Analogous

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



65.0780, 0.3929, 0.5071



65.0780, 0.3012, 0.5050



65.0780, 0.2174, 0.4200

Triad

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



65.0780, 0.3012, 0.5050



65.0780, 0.1655, 0.1907



65.0780, 0.4845, 0.3153

Complementary

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



65.0780, 0.3012, 0.5050



33.4577, 0.3258, 0.2002

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.



65.0780, 0.4012, 0.2547



65.0780, 0.3012, 0.5050



65.0780, 0.2146, 0.1865

Square

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



65.0780, 0.3012, 0.5050



65.0780, 0.1488, 0.2278



65.0780, 0.2976, 0.2092



65.0780, 0.5077, 0.3828

Rectangle

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



65.0780, 0.3012, 0.5050



65.0780, 0.1781, 0.3428



65.0780, 0.2976, 0.2092



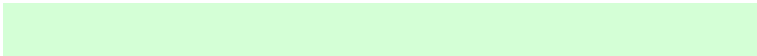
65.0780, 0.4621, 0.2941

Sweetspot

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



65.0807, 0.3012, 0.5050



90.3132, 0.3093, 0.3728



79.1338, 0.3894, 0.4669



19.1184, 0.3089, 0.3786



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



65.0807, 0.3012, 0.5050



73.8897, 0.2997, 0.5433



67.1440, 0.2694, 0.4113



17.6695, 0.3109, 0.3521



34.1356, 0.2991, 0.5968



2.8443, 0.2968, 0.5883

Inverse Universe

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



33.4577, 0.3258, 0.2002



33.5136, 0.3286, 0.1815



30.3371, 0.4051, 0.2635



16.0166, 0.3146, 0.3069



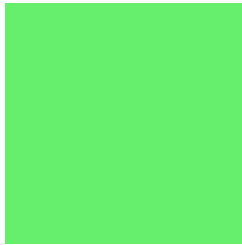
13.2055, 0.3341, 0.1614



1.1028, 0.3322, 0.1604

Previews

White Background



This preview shows how the Yxy color 65.0780, 0.3012, 0.5050 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 65.0780, 0.3012, 0.5050 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

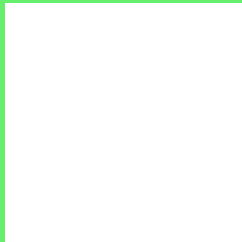
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.0780, 0.3012, 0.5050

Background



This preview shows how black text looks on a background with the Yxy color 65.0780, 0.3012, 0.5050.

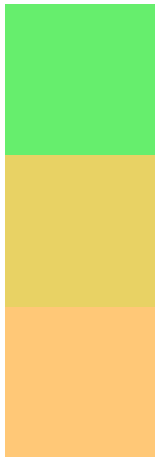


This preview shows how white text looks on a background with the Yxy color 65.0780, 0.3012, 0.5050.

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

65.0780, 0.3012, 0.5050

Protanopia

64.1691, 0.4067, 0.4452

Deuteranopia

63.9005, 0.4195, 0.4110



Tritanopia

64.7904, 0.2488, 0.3070

Trichromacy



Original Color

65.0780, 0.3012, 0.5050



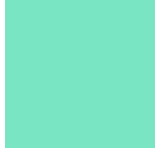
Protanomaly

62.4800, 0.3616, 0.4702



Deuteranomaly

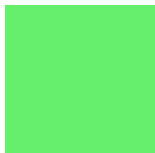
61.4731, 0.3685, 0.4468



Tritanomaly

64.0712, 0.2680, 0.3750

Monochromacy



Original Color

65.0780, 0.3012, 0.5050



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

51.9822, 0.3082, 0.3938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.0780, 0.3012, 0.5050 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, 238, 109)` looks like.

```
.text, #text, p{  
    color:rgb(102, 238, 109)  
}
```

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, 238, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 238, 109) }
```

Border

The CSS property to change the border of an element to Yxy 65.0780, 0.3012, 0.5050 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, 238, 109) }
```

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

```
.border{ border-color:rgb(102, 238, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 238, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 238, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 238, 109);  
box-shadow:4px 4px 4px 4px rgb(102, 238,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 65.0780, 0.3012, 0.5050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 238, 109) }
```

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

```
.background{ background-color: rgb(102,  
238, 109) }
```

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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