

Converting Colors

$Yxy(69.1555, 0.4230, 0.4359)$

Have a look what the booklet for
Yxy(69.1555, 0.4230, 0.4359)
contains.

Yxy(69.3063, 0.4228, 0.4362)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.3063, 0.4228, 0.4362)

Conversions

Conversions Part 1

Format	Color
Hex	FFD466
RGB	255, 212, 102
RGB Percent	100%, 83%, 40%
CMY	0.0001, 0.1686, 0.6001
CMYK	0.00, 0.17, 0.60, 0.00
HSL	43°, 100%, 70%
HSV	43°, 60%, 100%
XYZ	67.1772, 69.3063, 22.4030
YIQ	212.3170, 60.9380, -25.0940

Conversions

Conversions Part 2

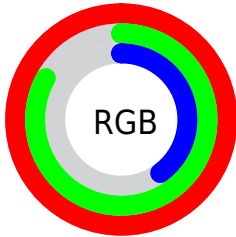
Format	Color
R_{YB}	162, 255, 102
Decimal	16766054
CIE _{Lab}	86.66, 2.90, 58.92
CIE _{LCh}	87, 58.992, 87.182
Yxy	69.3063, 0.4228, 0.4362
Android (android.graphics.Color)	4294956134 (0xFFFFD466)
YUV	212.3170, -54.3863, 37.4330
Hunter-Lab	83.2504, -1.6513, 42.3201

Details

The Yxy color **69.3063, 0.4228, 0.4362** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.2814, 0.2069, 0.1862**, and the grayscale version is **66.3993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1803, 0.3712, 0.4256**, and **36.2692, 0.4437, 0.4564** is the 20% darker color. If you saturate the color by 10%, you get **65.3773, 0.4411, 0.4481**, and if you desaturate by 10%, it is **73.5563, 0.4033, 0.4209**.

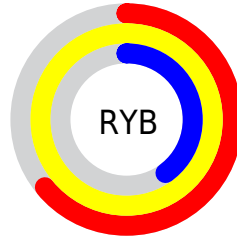
Distribution



Red (100%)

Green (83%)

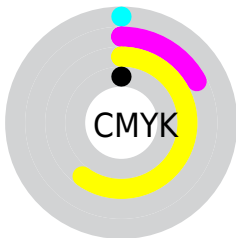
Blue (40%)



Red (64%)

Yellow (100%)

Blue (40%)

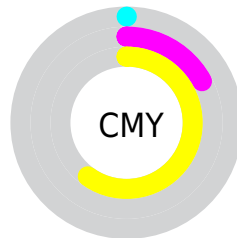


Cyan (0%)

Magenta (17%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.3063, 0.4228, 0.4362 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 69.3063, 0.4228, 0.4362 by changing the saturation by 10% instead.


 69.3063, 0.4228,
0.4362


 69.3063, 0.4228,
0.4362


458.1105, 0.3742,
0.3896


 50.9612, 0.4326,
0.4454


 118.2190, 0.4068,
0.4211


 36.1777, 0.4440,
0.4559


 149.5553, 0.4003,
0.4149

 24.5715, 0.4568,
0.4675


 185.9909, 0.3946,
0.4094

 15.7581, 0.4710,
0.4799

 227.9100, 0.3896,
0.4045

 9.3531, 0.4890,
0.4952

275.6972, 0.3851,
0.4002

 4.9722, 0.4990,
0.5010

329.7367, 0.3811,

 2.2310, 0.5026,

0.3963

0.4974

390.4130, 0.3775,
0.3928

■ 0.7368, 0.5114,
0.4886

■ 0.0000, 0.0000,
0.0000

■ 69.3063, 0.4228,
0.4362

■ 69.3063, 0.4228,
0.4362

■ 65.3773, 0.4411,
0.4481

■ 73.5563, 0.4033,
0.4209

■ 61.7424, 0.4573,
0.4557

■ 78.1323, 0.3834,
0.4034

■ 58.3854, 0.4706,
0.4583

■ 83.0511, 0.3640,
0.3847

■ 55.2762, 0.4809,
0.4564

■ 88.3252, 0.3456,
0.3656

 93.9662, 0.3284,
0.3469

99.9850, 0.3127,
0.3290

99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



69.3063, 0.4545, 0.3879



69.3063, 0.4228, 0.4362



69.3063, 0.3634, 0.4616

Triad

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



69.3063, 0.4228, 0.4362



69.3063, 0.1962, 0.3015



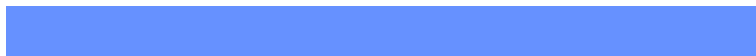
69.3063, 0.3189, 0.2440

Complementary

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



69.3063, 0.4228, 0.4362



30.2814, 0.2069, 0.1862

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.



69.3063, 0.2518, 0.2218



69.3063, 0.4228, 0.4362



69.3063, 0.1877, 0.2473

Square

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



69.3063, 0.4228, 0.4362



69.3063, 0.2332, 0.3766



69.3063, 0.2066, 0.2217



69.3063, 0.3922, 0.2836

Rectangle

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



69.3063, 0.4228, 0.4362



69.3063, 0.3170, 0.4542



69.3063, 0.2066, 0.2217



69.3063, 0.2947, 0.2344

Sweetspot

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



69.3096, 0.4228, 0.4362



89.4371, 0.3420, 0.3618



32.8121, 0.4465, 0.2866



18.8021, 0.3472, 0.3673



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.



69.3096, 0.4228, 0.4362



64.6366, 0.4446, 0.4500



87.9732, 0.3746, 0.4830



20.1776, 0.3276, 0.3460



29.1523, 0.4796, 0.4574



3.0235, 0.4711, 0.4641

Inverse Universe

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



30.2814, 0.2069, 0.1862



22.7326, 0.1875, 0.1536



21.8815, 0.2162, 0.1442



18.2083, 0.2979, 0.3114



6.3846, 0.1597, 0.0950



0.7969, 0.1657, 0.1165

Previews

White Background



This preview shows how the Yxy color 69.3063, 0.4228, 0.4362 looks on a white background.

Color Contrast Check

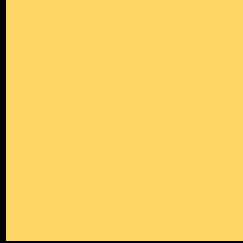
Large Text (above 18pt) WCAG AA × Fail

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 69.3063, 0.4228, 0.4362 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 69.3063, 0.4228, 0.4362

Background



This preview shows how black text looks on a background with the Yxy color 69.3063, 0.4228, 0.4362.



This preview shows how white text looks on a background with the Yxy color 69.3063, 0.4228, 0.4362.

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

69.3063, 0.4228, 0.4362

Protanopia

69.1504, 0.4067, 0.4447

Deuteranopia

69.4285, 0.3951, 0.3948



Tritanopia

69.4036, 0.3435, 0.3169

Trichromacy



Original Color

69.3063, 0.4228, 0.4362

Protanomaly

68.9926, 0.4124, 0.4418

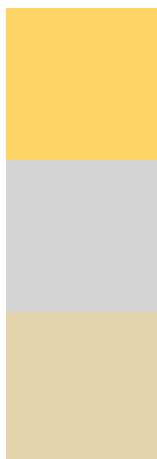
Deuteranomaly

69.4602, 0.4059, 0.4112

Tritanomaly

68.9808, 0.3745, 0.3623

Monochromacy



Original Color

69.3063, 0.4228, 0.4362

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.5595, 0.3536, 0.3737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3063, 0.4228, 0.4362 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(255, 212, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 102)  
}
```

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(255, 212, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 102) }
```

Border

The CSS property to change the border of an element to Yxy 69.3063, 0.4228, 0.4362 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(255, 212, 102) }
```

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

```
.border{ border-color:rgb(255, 212, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3063, 0.4228, 0.4362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 102) }
```

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

```
.background{ background-color: rgb(255,  
212, 102) }
```

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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