

Converting Colors

Yxy(66.5696, 0.3372, 0.4553)

Have a look what the booklet for
Yxy(66.5696, 0.3372, 0.4553)
contains.

Yxy(66.5696, 0.3372, 0.4553)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.5696, 0.3372, 0.4553)

Conversions

Conversions Part 1

Format	Color
Hex	AEE57F
RGB	174, 229, 127
RGB Percent	68%, 90%, 50%
CMY	0.3178, 0.1019, 0.5018
CMYK	0.24, 0.00, 0.45, 0.10
HSL	92°, 66%, 70%
HSV	92°, 45%, 90%
XYZ	49.3022, 66.5696, 30.3387
YIQ	200.9270, -0.0380, -43.3820

Conversions

Conversions Part 2

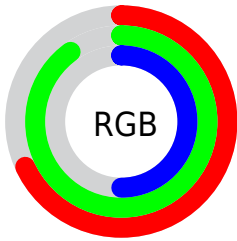
Format	Color
RYB	127, 229, 182
Decimal	11462015
CIELab	85.29, -34.84, 44.00
CIElCh	85, 56.123, 128.370
Yxy	66.5696, 0.3372, 0.4553
Android (android.graphics.Color)	4289652095 (0xFFAEE57F)
YUV	200.9270, -36.4460, -23.6150
Hunter-Lab	81.5902, -34.9214, 35.0666

Details

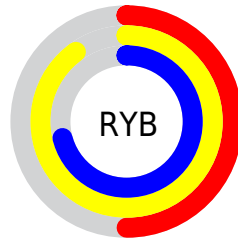
The Yxy color **66.5696, 0.3372, 0.4553** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.7977, 0.2741, 0.2056**, and the grayscale version is **58.5908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8451, 0.3405, 0.4059**, and **34.3171, 0.3395, 0.4891** is the 20% darker color. If you saturate the color by 10%, you get **64.6869, 0.3403, 0.4854**, and if you desaturate by 10%, it is **68.7244, 0.3328, 0.4247**.

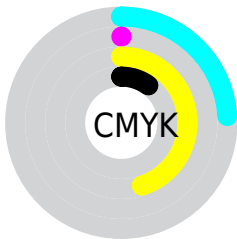
Distribution



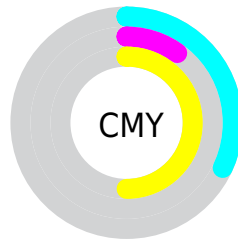
- Red (68%)
- Green (90%)
- Blue (50%)



- Red (50%)
- Yellow (90%)
- Blue (71%)



- Cyan (24%)
- Magenta (0%)
- Yellow (45%)
- Black (10%)




- Cyan (32%)
- Magenta (10%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5696, 0.3372, 0.4553 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 66.5696, 0.3372, 0.4553 by changing the saturation by 10% instead.


 66.5696, 0.3372,
0.4553


 66.5696, 0.3372,
0.4553


448.4112, 0.3283,
0.3931


 48.7349, 0.3384,
0.4702

 114.3035, 0.3347,
0.4331

 34.4093, 0.3393,
0.4888


 144.9715, 0.3336,
0.4247

 23.2082, 0.3396,
0.5127


 180.6860, 0.3325,
0.4175

 14.7473, 0.3383,
0.5440

221.8316, 0.3315,
0.4112

 8.6422, 0.3330,
0.5861

268.7925, 0.3306,
0.4058

 4.5086, 0.3308,
0.6692

321.9531, 0.3298,

 1.9619, 0.2787,

0.4011

0.7213

381.6979, 0.3290,
0.3969

■ 0.5852, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.5696, 0.3372,
0.4553

■ 66.5696, 0.3372,
0.4553

■ 64.6869, 0.3403,
0.4854

■ 68.7244, 0.3328,
0.4247

■ 63.0548, 0.3417,
0.5135


■ 71.1545, 0.3274,
0.3948


■ 61.6621, 0.3410,
0.5379

■ 73.8738, 0.3216,
0.3664


■ 60.4928, 0.3382,
0.5571


■ 76.8925, 0.3155,
0.3401

 59.5280, 0.3335,
0.5705

 80.2205, 0.3094,
0.3162

 59.0724, 0.3304,
0.5758

 83.2443, 0.3093,
0.3035

 84.5241, 0.3139,
0.3039

Harmonies

Analogous

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



66.5696, 0.4003, 0.4457



66.5696, 0.3372, 0.4553



66.5696, 0.2709, 0.4176

Triad

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



66.5696, 0.3372, 0.4553



66.5696, 0.1953, 0.2377



66.5696, 0.4120, 0.3026

Complementary

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



66.5696, 0.3372, 0.4553



30.7977, 0.2741, 0.2056

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.



66.5696, 0.3457, 0.2593



66.5696, 0.3372, 0.4553



66.5696, 0.2234, 0.2223

Square

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



66.5696, 0.3372, 0.4553



66.5696, 0.1936, 0.2801



66.5696, 0.2761, 0.2308



66.5696, 0.4486, 0.3538

Rectangle

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



66.5696, 0.3372, 0.4553



66.5696, 0.2340, 0.3720



66.5696, 0.2761, 0.2308



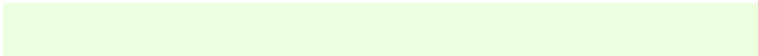
66.5696, 0.3920, 0.2869

Sweetspot

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



66.5725, 0.3372, 0.4553



94.8091, 0.3207, 0.3625



51.4112, 0.4015, 0.3913



20.1185, 0.3220, 0.3685



0.0000, 0.0000, 0.0000



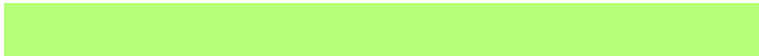
21.4041, 0.3127, 0.3290

Same Dimension

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



66.5725, 0.3372, 0.4553



82.8246, 0.3400, 0.4818



62.1817, 0.3044, 0.4636



16.4125, 0.3185, 0.3528



33.8413, 0.3315, 0.5750



2.5555, 0.3429, 0.5660

Inverse Universe

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



30.7977, 0.2741, 0.2056



31.9269, 0.2639, 0.1805



37.3158, 0.3210, 0.2235



14.2683, 0.3065, 0.3053



5.7396, 0.2105, 0.0933



0.4792, 0.2257, 0.1017

Previews

White Background



This preview shows how the Yxy color 66.5696, 0.3372, 0.4553 looks on a white background.

Color Contrast Check

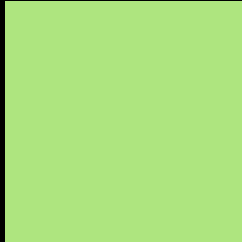
Large Text (above 18pt) WCAG AA × Fail

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 66.5696, 0.3372, 0.4553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

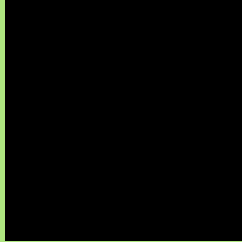
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.5696, 0.3372, 0.4553

Background



This preview shows how black text looks on a background with the Yxy color 66.5696, 0.3372, 0.4553.



This preview shows how white text looks on a background with the Yxy color 66.5696, 0.3372, 0.4553.

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

66.5696, 0.3372, 0.4553

Protanopia

65.7911, 0.3935, 0.4273

Deuteranopia

65.7780, 0.4050, 0.3969



Tritanopia

66.5134, 0.2834, 0.3095

Trichromacy



Original Color

66.5696, 0.3372, 0.4553



Protanomaly

65.5699, 0.3724, 0.4377



Deuteranomaly

64.9492, 0.3798, 0.4171



Tritanomaly

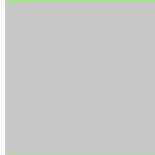
65.8434, 0.3036, 0.3603

Monochromacy



Original Color

66.5696, 0.3372, 0.4553



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.7209, 0.3233, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5696, 0.3372, 0.4553 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(174, 229, 127)` looks like.

```
.text, #text, p{  
    color:rgb(174, 229, 127)  
}
```

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(174, 229, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 229, 127) }
```

Border

The CSS property to change the border of an element to Yxy 66.5696, 0.3372, 0.4553 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(174, 229, 127) }
```

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

```
.border{ border-color:rgb(174, 229, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 229, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 229, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 229, 127); box-shadow:4px 4px 4px 4px rgb(174, 229, 127) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5696, 0.3372, 0.4553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 229, 127) }
```

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

```
.background{ background-color: rgb(174,  
229, 127) }
```

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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