

Converting Colors

Yxy(63.0219, 0.3192, 0.4638)

Have a look what the booklet for
Yxy(63.0219, 0.3192, 0.4638)
contains.

Yxy(63.1962, 0.3193, 0.4634)	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(63.1962, 0.3193, 0.4634)

Conversions

Conversions Part 1

Format	Color
Hex	93E47E
RGB	147, 228, 126
RGB Percent	58%, 89%, 49%
CMY	0.4234, 0.1059, 0.5060
CMYK	0.36, 0.00, 0.45, 0.11
HSL	108°, 65%, 69%
HSV	108°, 45%, 89%
XYZ	43.5446, 63.1962, 29.6343
YIQ	192.1530, -15.5340, -48.8940

Conversions

Conversions Part 2

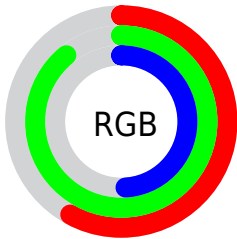
Format	Color
RYB	126, 228, 207
Decimal	9692286
CIELab	83.55, -43.63, 42.02
CIELCh	84, 60.570, 136.074
Yxy	63.1962, 0.3193, 0.4634
Android (android.graphics.Color)	4287882366 (0xFF93E47E)
YUV	192.1530, -32.6134, -39.5992
Hunter-Lab	79.4960, -41.3433, 33.5453

Details

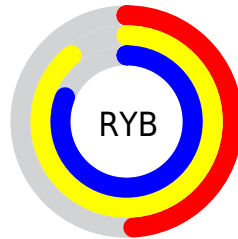
The Yxy color **63.1962, 0.3193, 0.4634** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **33.7769, 0.2979, 0.2133**, and the grayscale version is **53.0111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6527, 0.3234, 0.4115**, and **32.2884, 0.3167, 0.5003** is the 20% darker color. If you saturate the color by 10%, you get **61.1321, 0.3191, 0.4971**, and if you desaturate by 10%, it is **65.6630, 0.3187, 0.4297**.

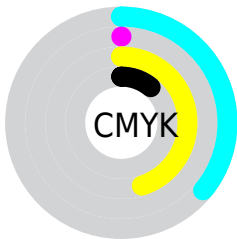
Distribution



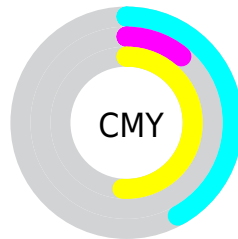
- Red (58%)
- Green (89%)
- Blue (49%)



- Red (49%)
- Yellow (89%)
- Blue (81%)



- Cyan (36%)
- Magenta (0%)
- Yellow (45%)
- Black (11%)





- Cyan (42%)
- Magenta (11%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1962, 0.3193, 0.4634 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 63.1962, 0.3193, 0.4634 by changing the saturation by 10% instead.


 63.1962, 0.3193,
0.4634

 63.1962, 0.3193,
0.4634

436.2812, 0.3191,
0.3958


 46.0000, 0.3184,
0.4801


 109.4525, 0.3199,
0.4389

 32.2458, 0.3167,
0.5012

 139.2814, 0.3200,
0.4297

 21.5493, 0.3135,
0.5287


 174.0899, 0.3199,
0.4219

 13.5261, 0.3074,
0.5656

214.2625, 0.3198,
0.4151

 7.7918, 0.2953,
0.6166

260.1835, 0.3196,
0.4093

 3.9620, 0.2814,
0.7186

312.2374, 0.3194,

 1.6523, 0.1790,

0.4042

0.8210

370.8085, 0.3193,
0.3998

0.3925, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.1962, 0.3193,
0.4634

63.1962, 0.3193,
0.4634

61.1321, 0.3191,
0.4971

65.6630, 0.3187,
0.4297

59.4411, 0.3179,
0.5287

68.5442, 0.3174,
0.3975


58.1022, 0.3156,
0.5559

71.8610, 0.3157,
0.3677

57.0889, 0.3124,
0.5768

75.6308, 0.3137,
0.3407

 56.3704, 0.3085,
0.5902

 79.8699, 0.3116,
0.3168

 56.0926, 0.3066,
0.5947

 83.9673, 0.3139,
0.3029

Harmonies

Analogous

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



63.1962, 0.3909, 0.4635



63.1962, 0.3193, 0.4634



63.1962, 0.2498, 0.4090

Triad

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



63.1962, 0.3193, 0.4634



63.1962, 0.1908, 0.2226



63.1962, 0.4361, 0.3133

Complementary

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



63.1962, 0.3193, 0.4634



33.7769, 0.2979, 0.2133

Split Complementary

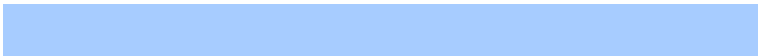
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.1962, 0.3689, 0.2640



63.1962, 0.3193, 0.4634



63.1962, 0.2278, 0.2136

Square

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



63.1962, 0.3193, 0.4634



63.1962, 0.1814, 0.2600



63.1962, 0.2907, 0.2288



63.1962, 0.4642, 0.3691

Rectangle

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



63.1962, 0.3193, 0.4634



63.1962, 0.2142, 0.3547



63.1962, 0.2907, 0.2288



63.1962, 0.4169, 0.2958

Sweetspot

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



63.1989, 0.3193, 0.4634



93.3928, 0.3154, 0.3630



62.0928, 0.3891, 0.4179



19.7714, 0.3158, 0.3693



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.



63.1989, 0.3193, 0.4634



78.8958, 0.3191, 0.4957



62.2842, 0.2908, 0.4287



16.2316, 0.3147, 0.3531



32.4302, 0.3074, 0.5942



2.4356, 0.3169, 0.5866

Inverse Universe

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



33.7769, 0.2979, 0.2133



36.2770, 0.2933, 0.1900



35.5389, 0.3465, 0.2474



14.4572, 0.3105, 0.3056



8.9564, 0.2693, 0.1257



0.6998, 0.2772, 0.1301

Previews

White Background



This preview shows how the Yxy color 63.1962, 0.3193, 0.4634 looks on a white background.

Color Contrast Check

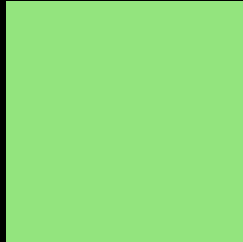
Large Text (above 18pt) WCAG AA × Fail

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 63.1962, 0.3193, 0.4634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

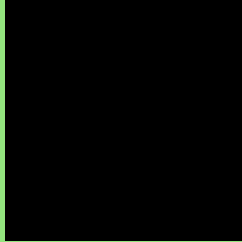
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.1962, 0.3193, 0.4634

Background



This preview shows how black text looks on a background with the Yxy color 63.1962, 0.3193, 0.4634.



This preview shows how white text looks on a background with the Yxy color 63.1962, 0.3193, 0.4634.

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

63.1962, 0.3193, 0.4634

Protanopia

62.2645, 0.3931, 0.4274

Deuteranopia

62.2214, 0.4055, 0.3974



Tritanopia

63.1019, 0.2689, 0.3086

Trichromacy



Original Color

63.1962, 0.3193, 0.4634



Protanomaly

61.9871, 0.3636, 0.4415



Deuteranomaly

61.2097, 0.3716, 0.4213



Tritanomaly

62.4524, 0.2876, 0.3619

Monochromacy



Original Color

63.1962, 0.3193, 0.4634



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.7199, 0.3165, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1962, 0.3193, 0.4634 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(147, 228, 126)` looks like.

```
.text, #text, p{  
    color:rgb(147, 228, 126)  
}
```

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(147, 228, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 228, 126) }
```

Border

The CSS property to change the border of an element to Yxy 63.1962, 0.3193, 0.4634 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(147, 228, 126) }
```

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

```
.border{ border-color:rgb(147, 228, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 228, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 228, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 228, 126); box-shadow:4px 4px 4px 4px rgb(147, 228, 126) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1962, 0.3193, 0.4634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 228, 126) }
```

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

```
.background{ background-color: rgb(147,  
228, 126) }
```

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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