

Converting Colors

$Yxy(60.3095, 0.4099, 0.4206)$

Have a look what the booklet for
Yxy(60.3095, 0.4099, 0.4206)
contains.

Yxy(60.2162, 0.4101, 0.4210)	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(60.2162, 0.4101, 0.4210)

Conversions

Conversions Part 1

Format	Color
Hex	EEC771
RGB	238, 199, 113
RGB Percent	93%, 78%, 44%
CMY	0.0668, 0.2195, 0.5568
CMYK	0.00, 0.16, 0.53, 0.07
HSL	41°, 79%, 69%
HSV	41°, 53%, 93%
XYZ	58.6572, 60.2162, 24.1580
YIQ	200.8570, 50.8500, -18.4780

Conversions

Conversions Part 2

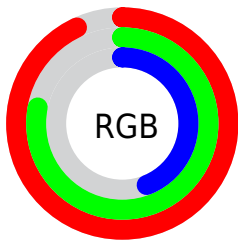
Format	Color
RYB	170, 238, 113
Decimal	15648625
CIELab	81.96, 3.47, 47.81
CIELCh	82, 47.937, 85.847
Yxy	60.2162, 0.4101, 0.4210
Android (android.graphics.Color)	4293838705 (0xFFEEC771)
YUV	200.8570, -43.3135, 32.5744
Hunter-Lab	77.5991, -0.8703, 35.8613

Details

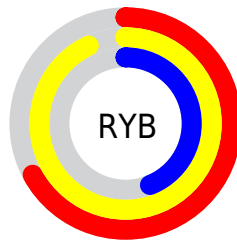
The Yxy color **60.2162, 0.4101, 0.4210** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.1295, 0.2218, 0.2129**, and the grayscale version is **58.5661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5332, 0.3655, 0.4162**, and **30.3019, 0.4324, 0.4395** is the 20% darker color. If you saturate the color by 10%, you get **56.4199, 0.4304, 0.4350**, and if you desaturate by 10%, it is **64.3251, 0.3895, 0.4046**.

Distribution



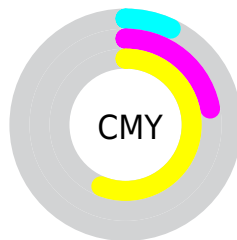
- Red (93%)
- Green (78%)
- Blue (44%)



- Red (67%)
- Yellow (93%)
- Blue (44%)



- Cyan (0%)
- Magenta (16%)
- Yellow (53%)
- Black (7%)





- Cyan (7%)
- Magenta (22%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.2162, 0.4101, 0.4210 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 60.2162, 0.4101, 0.4210 by changing the saturation by 10% instead.


 60.2162, 0.4101,
0.4210


 60.2162, 0.4101,
0.4210


425.3942, 0.3651,
0.3792

 43.5929, 0.4199,
0.4299


 105.1432, 0.3948,
0.4069

 30.3506, 0.4316,
0.4403


 134.2158, 0.3887,
0.4013

 20.1049, 0.4455,
0.4524


 168.2069, 0.3834,
0.3964

 12.4713, 0.4618,
0.4662

207.5009, 0.3788,
0.3921

 7.0655, 0.4824,
0.4828

252.4822, 0.3748,
0.3883

 3.5031, 0.5030,
0.4970

303.5353, 0.3712,

 1.3997, 0.5086,

0.3849

0.4914

361.0445, 0.3679,
0.3819

0.2165, 0.5730,
0.4270

0.0000, 0.0000,
0.0000

60.2162, 0.4101,
0.4210

60.2162, 0.4101,
0.4210

56.4199, 0.4304,
0.4350

64.3251, 0.3895,
0.4046

52.9142, 0.4495,
0.4455

68.7505, 0.3694,
0.3868

49.6864, 0.4664,
0.4514

73.5065, 0.3503,
0.3685

46.7187, 0.4803,
0.4523

78.6036, 0.3326,
0.3505

■ 44.6460, 0.4888,
0.4501

■ 84.0520, 0.3165,
0.3332

■ 89.8094, 0.3024,
0.3176

■ 94.3527, 0.3024,
0.3250

■ 96.9120, 0.3023,
0.3290

Harmonies

Analogous

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



60.2162, 0.4347, 0.3800



60.2162, 0.4101, 0.4210



60.2162, 0.3603, 0.4414

Triad

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



60.2162, 0.4101, 0.4210



60.2162, 0.2128, 0.3093



60.2162, 0.3157, 0.2537

Complementary

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



60.2162, 0.4101, 0.4210



32.1295, 0.2218, 0.2129

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.



60.2162, 0.2583, 0.2351



60.2162, 0.4101, 0.4210



60.2162, 0.2036, 0.2611

Square

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



60.2162, 0.4101, 0.4210



60.2162, 0.2468, 0.3723



60.2162, 0.2193, 0.2366



60.2162, 0.3780, 0.2883

Rectangle

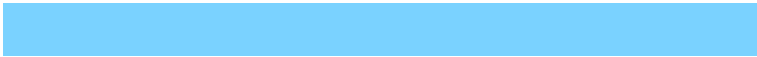
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.2162, 0.4101, 0.4210



60.2162, 0.3204, 0.4350



60.2162, 0.2193, 0.2366



60.2162, 0.2952, 0.2455

Sweetspot

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



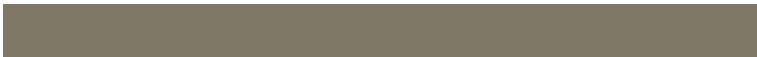
60.2191, 0.4101, 0.4210



89.7969, 0.3387, 0.3569



32.2719, 0.4153, 0.2859



18.9558, 0.3424, 0.3606



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.



60.2191, 0.4101, 0.4210



65.6983, 0.4319, 0.4359



76.7807, 0.3720, 0.4637



17.5792, 0.3276, 0.3452



25.1561, 0.4874, 0.4512



2.2693, 0.4763, 0.4600

Inverse Universe

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



32.1295, 0.2218, 0.2129



29.6956, 0.2033, 0.1844



23.2129, 0.2275, 0.1678



16.0326, 0.2980, 0.3123



6.3935, 0.1618, 0.1026



0.7027, 0.1690, 0.1285

Previews

White Background



This preview shows how the Yxy color 60.2162, 0.4101, 0.4210 looks on a white background.

Color Contrast Check

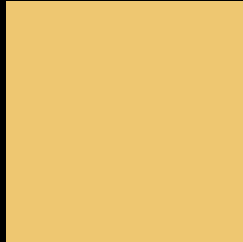
Large Text (above 18pt) WCAG AA × Fail

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 60.2162, 0.4101, 0.4210 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 60.2162, 0.4101, 0.4210

Background



This preview shows how black text looks on a background with the Yxy color 60.2162, 0.4101, 0.4210.



This preview shows how white text looks on a background with the Yxy color 60.2162, 0.4101, 0.4210.

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

60.2162, 0.4101, 0.4210

Protanopia

60.2708, 0.3941, 0.4286

Deuteranopia

60.3849, 0.4211, 0.4127



Tritanopia

60.2998, 0.3491, 0.3142

Trichromacy



Original Color

60.2162, 0.4101, 0.4210

Protanomaly

60.1140, 0.4001, 0.4259

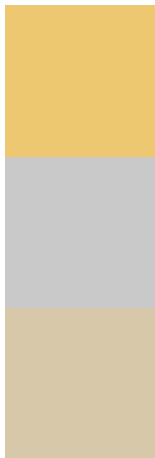
Deuteranomaly

60.1072, 0.4171, 0.4149

Tritanomaly

60.0969, 0.3730, 0.3542

Monochromacy



Original Color

60.2162, 0.4101, 0.4210

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

58.4693, 0.3474, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.2162, 0.4101, 0.4210 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(238, 199, 113)` looks like.

```
.text, #text, p{  
    color:rgb(238, 199, 113)  
}
```

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(238, 199, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 199, 113) }
```

Border

The CSS property to change the border of an element to Yxy 60.2162, 0.4101, 0.4210 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(238, 199, 113) }
```

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

```
.border{ border-color:rgb(238, 199, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 199, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 199, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 199, 113);  
box-shadow:4px 4px 4px 4px rgb(238, 199,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 60.2162, 0.4101, 0.4210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 199, 113) }
```

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

```
.background{ background-color: rgb(238,  
199, 113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor