

Converting Colors

$Yxy(38.5060, 0.3165, 0.4795)$

Have a look what the booklet for
Yxy(38.5060, 0.3165, 0.4795)
contains.

Yxy(38.6764, 0.3162, 0.4795)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.6764, 0.3162, 0.4795)

Conversions

Conversions Part 1

Format	Color
Hex	6CB95D
RGB	108, 185, 93
RGB Percent	42%, 73%, 36%
CMY	0.5767, 0.2745, 0.6353
CMYK	0.42, 0.00, 0.50, 0.27
HSL	110°, 40%, 55%
HSV	110°, 50%, 73%
XYZ	25.5046, 38.6764, 16.4788
YIQ	151.4890, -16.3600, -44.9360

Conversions

Conversions Part 2

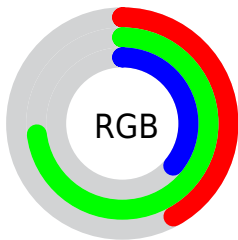
Format	Color
RYB	93, 185, 170
Decimal	7125341
CIELab	68.52, -41.79, 39.14
CIElCh	69, 57.256, 136.881
Yxy	38.6764, 0.3162, 0.4795
Android (android.graphics.Color)	4285315421 (0xFF6CB95D)
YUV	151.4890, -28.8351, -38.1399
Hunter-Lab	62.1904, -35.6292, 27.8230

Details

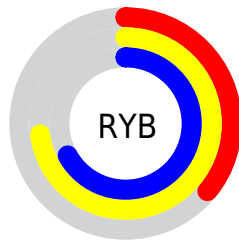
The Yxy color **38.6764, 0.3162, 0.4795** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **19.8880, 0.3006, 0.2043**, and the grayscale version is **31.2956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3351, 0.3178, 0.4485**, and **17.1639, 0.3107, 0.5321** is the 20% darker color. If you saturate the color by 10%, you get **37.5026, 0.3153, 0.5126**, and if you desaturate by 10%, it is **40.1055, 0.3164, 0.4455**.

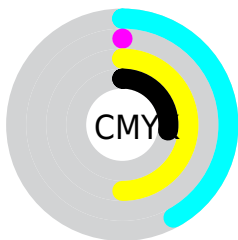
Distribution



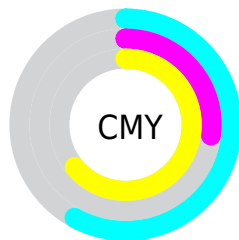
- Red (42%)
- Green (73%)
- Blue (36%)



- Red (36%)
- Yellow (73%)
- Blue (67%)



- Cyan (42%)
- Magenta (0%)
- Yellow (50%)
- Black (27%)




- Cyan (58%)
- Magenta (27%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6764, 0.3162, 0.4795 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 38.6764, 0.3162, 0.4795 by changing the saturation by 10% instead.


 38.6764, 0.3162,
0.4795


 38.6764, 0.3162,
0.4795


340.5127, 0.3180,
0.3972

 26.5081, 0.3141,
0.5021


 73.1437, 0.3180,
0.4480

 17.2041, 0.3102,
0.5320


 96.2115, 0.3183,
0.4367

 10.3801, 0.3027,
0.5732


 123.6812, 0.3184,
0.4272

 5.6517, 0.2881,
0.6333

 155.9373, 0.3184,
0.4193

 2.6345, 0.2611,
0.7389

193.3640, 0.3184,
0.4126

 0.9440, 0.0000,
1.0000

236.3459, 0.3183,

 0.0000, 0.0000,


0.4067


0.0000


285.2674, 0.3182,
0.4017

 38.6764, 0.3162,
0.4795

 38.6764, 0.3162,
0.4795

 37.5026, 0.3153,
0.5126

 40.1055, 0.3164,
0.4455


 36.5641, 0.3135,
0.5427


 41.7987, 0.3160,
0.4125


 35.8461, 0.3110,
0.5675


 43.7703, 0.3152,
0.3816

 35.3296, 0.3080,
0.5851

 46.0322, 0.3140,
0.3535


 34.9868, 0.3049,
0.5959

 48.5956, 0.3127,
0.3284

 34.9793, 0.3049,
0.5961

 51.4711, 0.3112,
0.3062

 54.6687, 0.3098,
0.2868

 58.1981, 0.3083,
0.2699

 61.7738, 0.3101,
0.2592

Harmonies

Analogous

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



38.6764, 0.3952, 0.4783



38.6764, 0.3162, 0.4795



38.6764, 0.2406, 0.4166

Triad

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



38.6764, 0.3162, 0.4795



38.6764, 0.1802, 0.2114



38.6764, 0.4516, 0.3121

Complementary

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



38.6764, 0.3162, 0.4795



19.8880, 0.3006, 0.2043

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.



38.6764, 0.3771, 0.2588



38.6764, 0.3162, 0.4795



38.6764, 0.2207, 0.2031

Square

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



38.6764, 0.3162, 0.4795



38.6764, 0.1691, 0.2503



38.6764, 0.2900, 0.2203



38.6764, 0.4806, 0.3723

Rectangle

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



38.6764, 0.3162, 0.4795



38.6764, 0.2025, 0.3544



38.6764, 0.2900, 0.2203



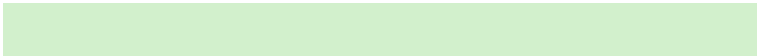
38.6764, 0.4305, 0.2932

Sweetspot

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



38.6780, 0.3162, 0.4795



80.1316, 0.3147, 0.3687



39.7350, 0.3939, 0.4312



17.0959, 0.3149, 0.3746



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



38.6780, 0.3162, 0.4795



66.9243, 0.3151, 0.5166



38.4774, 0.2863, 0.4323



10.1283, 0.3140, 0.3524



23.8361, 0.3054, 0.5957



0.8623, 0.3205, 0.5837

Inverse Universe

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



19.8880, 0.3006, 0.2043



29.2694, 0.2964, 0.1797



20.4908, 0.3572, 0.2457



9.0869, 0.3112, 0.3063



7.1542, 0.2807, 0.1320



0.2721, 0.2917, 0.1381

Previews

White Background



This preview shows how the Yxy color 38.6764, 0.3162, 0.4795 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 38.6764, 0.3162, 0.4795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

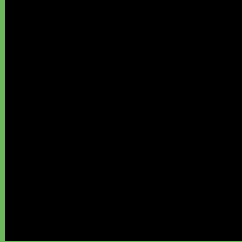
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6764, 0.3162, 0.4795

Background



This preview shows how black text looks on a background with the Yxy color 38.6764, 0.3162, 0.4795.



This preview shows how white text looks on a background with the Yxy color 38.6764, 0.3162, 0.4795.

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

38.6764, 0.3162, 0.4795

Protanopia

38.0278, 0.3990, 0.4349

Deuteranopia

38.2729, 0.4124, 0.4041



Tritanopia

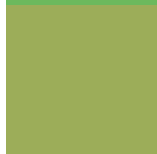
38.3386, 0.2638, 0.3082

Trichromacy



Original Color

38.6764, 0.3162, 0.4795



Protanomaly

37.6763, 0.3658, 0.4526



Deuteranomaly

37.1932, 0.3744, 0.4310



Tritanomaly

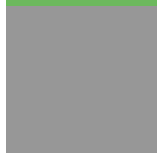
38.0626, 0.2835, 0.3685

Monochromacy



Original Color

38.6764, 0.3162, 0.4795



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

32.9570, 0.3149, 0.3827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6764, 0.3162, 0.4795 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(108, 185, 93)` looks like.

```
.text, #text, p{  
    color:rgb(108, 185, 93)  
}
```

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(108, 185, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 185, 93) }
```

Border

The CSS property to change the border of an element to Yxy 38.6764, 0.3162, 0.4795 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(108, 185, 93) }
```

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

```
.border{ border-color:rgb(108, 185, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 185, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 185, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 185, 93);  
box-shadow:4px 4px 4px 4px rgb(108, 185,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6764, 0.3162, 0.4795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 185, 93) }
```

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

```
.background{ background-color: rgb(108,  
185, 93) }
```

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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