

Converting Colors

$Yxy(30.7217, 0.3159, 0.4557)$

Have a look what the booklet for
Yxy(30.7217, 0.3159, 0.4557)
contains.

Yxy(30.7217, 0.3159, 0.4557)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.7217, 0.3159, 0.4557)

Conversions

Conversions Part 1

Format	Color
Hex	69A55E
RGB	105, 165, 94
RGB Percent	41%, 65%, 37%
CMY	0.5884, 0.3529, 0.6314
CMYK	0.36, 0.00, 0.43, 0.35
HSL	111°, 28%, 51%
HSV	111°, 43%, 65%
XYZ	21.2969, 30.7217, 15.3979
YIQ	138.9660, -12.9690, -34.8010

Conversions

Conversions Part 2

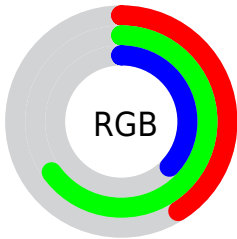
Format	Color
RYB	94, 165, 154
Decimal	6923614
CIELab	62.27, -33.69, 30.75
CIELCh	62, 45.615, 137.610
Yxy	30.7217, 0.3159, 0.4557
Android (android.graphics.Color)	4285113694 (0xFF69A55E)
YUV	138.9660, -22.1682, -29.7882
Hunter-Lab	55.4272, -28.4122, 22.3280

Details

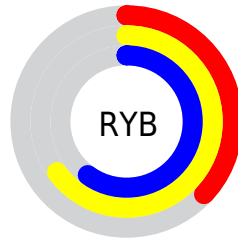
The Yxy color **30.7217, 0.3159, 0.4557** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.6002, 0.3037, 0.2215**, and the grayscale version is **25.8922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6017, 0.3175, 0.4276**, and **12.7644, 0.3114, 0.5052** is the 20% darker color. If you saturate the color by 10%, you get **29.6812, 0.3154, 0.4894**, and if you desaturate by 10%, it is **31.9668, 0.3158, 0.4225**.

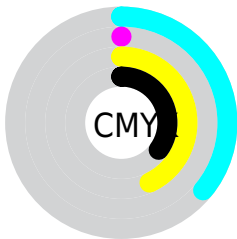
Distribution



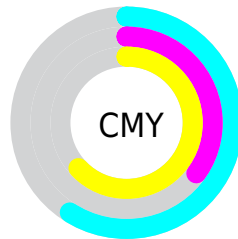
- Red (41%)
- Green (65%)
- Blue (37%)



- Red (37%)
- Yellow (65%)
- Blue (60%)



- Cyan (36%)
- Magenta (0%)
- Yellow (43%)
- Black (35%)





- Cyan (59%)
- Magenta (35%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7217, 0.3159, 0.4557 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 30.7217, 0.3159, 0.4557 by changing the saturation by 10% instead.

 30.7217, 0.3159,
0.4557


 30.7217, 0.3159,
0.4557


305.2541, 0.3167,
0.3843


 20.3870, 0.3144,
0.4764

 60.8016, 0.3170,
0.4277


 12.6767, 0.3115,
0.5048


 81.3157, 0.3171,
0.4178

 7.2063, 0.3053,
0.5457


 105.9917, 0.3172,
0.4097

 3.5914, 0.2942,
0.6143

 135.2140, 0.3171,
0.4029

 1.4478, 0.2446,
0.7554

169.3670, 0.3170,
0.3972

 0.2515, 0.0000,
1.0000

208.8351, 0.3169,

 0.0000, 0.0000,

0.3923

0.0000

254.0027, 0.3168,
0.3880

■ 30.7217, 0.3159,
0.4557

■ 30.7217, 0.3159,
0.4557

■ 29.6812, 0.3154,
0.4894

■ 31.9668, 0.3158,
0.4225

■ 28.8307, 0.3142,
0.5217

■ 33.4227, 0.3152,
0.3910

■ 28.1595, 0.3123,
0.5504


■ 35.0999, 0.3142,
0.3622


■ 27.6543, 0.3097,
0.5732


■ 37.0074, 0.3131,
0.3363

■ 27.3000, 0.3066,
0.5887

■ 39.1533, 0.3118,
0.3133

 27.1268, 0.3048,
0.5962

 41.5455, 0.3105,
0.2932

 44.1917, 0.3091,
0.2756

 47.0989, 0.3078,
0.2604

 50.2741, 0.3066,
0.2471

Harmonies

Analogous

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



30.7217, 0.3851, 0.4592



30.7217, 0.3159, 0.4557



30.7217, 0.2496, 0.4016

Triad

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



30.7217, 0.3159, 0.4557



30.7217, 0.1963, 0.2256



30.7217, 0.4334, 0.3169

Complementary

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



30.7217, 0.3159, 0.4557



17.6002, 0.3037, 0.2215

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.



30.7217, 0.3705, 0.2687



30.7217, 0.3159, 0.4557



30.7217, 0.2336, 0.2179

Square

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



30.7217, 0.3159, 0.4557



30.7217, 0.1859, 0.2605



30.7217, 0.2954, 0.2336



30.7217, 0.4582, 0.3711

Rectangle

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



30.7217, 0.3159, 0.4557



30.7217, 0.2159, 0.3498



30.7217, 0.2954, 0.2336



30.7217, 0.4156, 0.2998

Sweetspot

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



30.7230, 0.3159, 0.4557



62.7852, 0.3143, 0.3627



31.6495, 0.3821, 0.4176



13.5804, 0.3145, 0.3686



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.7230, 0.3159, 0.4557



53.1618, 0.3154, 0.4892



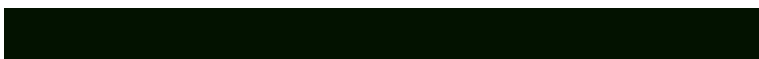
30.5948, 0.2892, 0.4149



7.9450, 0.3138, 0.3521



20.5331, 0.3052, 0.5958



0.4455, 0.3239, 0.5811

Inverse Universe

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



17.6002, 0.3037, 0.2215



26.4040, 0.3006, 0.1983



17.9403, 0.3489, 0.2570



7.1467, 0.3114, 0.3067



6.2623, 0.2830, 0.1332



0.1456, 0.2977, 0.1413

Previews

White Background



This preview shows how the Yxy color 30.7217, 0.3159, 0.4557 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 30.7217, 0.3159, 0.4557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

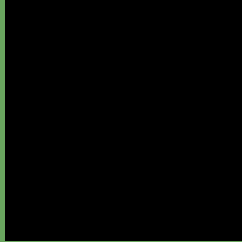
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7217, 0.3159, 0.4557

Background



This preview shows how black text looks on a background with the Yxy color 30.7217, 0.3159, 0.4557.



This preview shows how white text looks on a background with the Yxy color 30.7217, 0.3159, 0.4557.

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

30.7217, 0.3159, 0.4557

Protanopia

30.4098, 0.3885, 0.4223

Deuteranopia

30.2491, 0.4004, 0.3920



Tritanopia

30.4931, 0.2678, 0.3079

Trichromacy



Original Color

30.7217, 0.3159, 0.4557

Protanomaly

30.0205, 0.3604, 0.4346

Deuteranomaly

29.7686, 0.3672, 0.4146

Tritanomaly

30.2600, 0.2851, 0.3581

Monochromacy



Original Color

30.7217, 0.3159, 0.4557

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.1219, 0.3148, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7217, 0.3159, 0.4557 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(105, 165, 94)` looks like.

```
.text, #text, p{  
    color:rgb(105, 165, 94)  
}
```

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(105, 165, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 165, 94) }
```

Border

The CSS property to change the border of an element to Yxy 30.7217, 0.3159, 0.4557 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(105, 165, 94) }
```

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

```
.border{ border-color:rgb(105, 165, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 165, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 165, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 165, 94);  
box-shadow:4px 4px 4px 4px rgb(105, 165,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7217, 0.3159, 0.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 165, 94) }
```

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

```
.background{ background-color: rgb(105,  
165, 94) }
```

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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