

Converting Colors

$Y_{xy}(17.1398, 0.3662, 0.5325)$

Have a look what the booklet for
Yxy(17.1398, 0.3662, 0.5325)
contains.

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Color

Yxy(17.1390, 0.3662, 0.5325)

Conversions

Conversions Part 1

Format	Color
Hex	5A7E12
RGB	90, 126, 18
RGB Percent	35%, 49%, 7%
CMY	0.6471, 0.5059, 0.9293
CMYK	0.29, 0.00, 0.86, 0.51
HSL	80°, 75%, 28%
HSV	80°, 86%, 49%
XYZ	11.7865, 17.1390, 3.2604
YIQ	102.9240, 13.2120, -41.2200

Conversions

Conversions Part 2

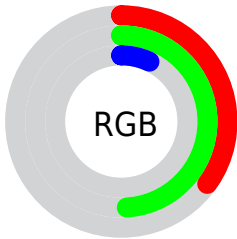
Format	Color
RYB	18, 126, 54
Decimal	5930514
CIELab	48.43, -28.40, 48.99
CIELCh	48, 56.625, 120.102
Yxy	17.1390, 0.3662, 0.5325
Android (android.graphics.Color)	4284120594 (0xFF5A7E12)
YUV	102.9240, -41.8675, -11.3343
Hunter-Lab	41.3993, -21.6293, 24.3101

Details

The Yxy color **17.1390, 0.3662, 0.5325** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **2.7255, 0.1952, 0.0966**, and the grayscale version is **13.6538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6505, 0.3616, 0.4848**, and **5.7391, 0.3438, 0.5652** is the 20% darker color. If you saturate the color by 10%, you get **16.9031, 0.3644, 0.5446**, and if you desaturate by 10%, it is **17.4097, 0.3658, 0.5161**.

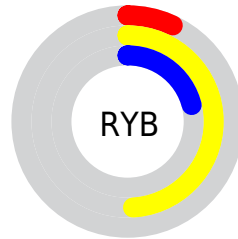
Distribution



Red (35%)

Green (49%)

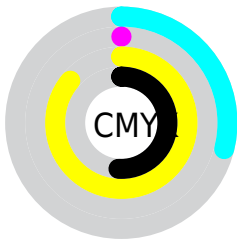
Blue (7%)



Red (7%)

Yellow (49%)

Blue (21%)

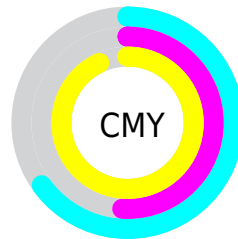


Cyan (29%)

Magenta (0%)

Yellow (86%)

Black (51%)



Cyan (65%)


Magenta (51%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1390, 0.3662, 0.5325 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 17.1390, 0.3662, 0.5325 by changing the saturation by 10% instead.


 17.1390, 0.3662,
0.5325


 17.1390, 0.3662,
0.5325


235.9721, 0.3438,
0.4123


 10.3336, 0.3658,
0.5668


 38.5646, 0.3611,
0.4848


 5.6207, 0.3699,
0.6298

 53.9537, 0.3580,
0.4679

 2.6159, 0.3345,
0.6655

 72.9727, 0.3550,
0.4542

 0.9346, 0.1721,
0.8279

 96.0062, 0.3523,
0.4429


 0.0000, 0.0000,
0.0000


 123.4385, 0.3499,
0.4333


 155.6540, 0.3476,


0.4253

 193.0370, 0.3456,
0.4183


 17.1390, 0.3662,
0.5325

 17.1390, 0.3662,
0.5325


 16.9031, 0.3644,
0.5446

 17.4097, 0.3658,
0.5161

 16.8065, 0.3635,
0.5496

 17.7176, 0.3632,
0.4957

 18.0665, 0.3585,
0.4721

 18.4589, 0.3521,
0.4464

 18.8970, 0.3444,
0.4197

■ 19.3831, 0.3358,
0.3930

■ 19.9191, 0.3269,
0.3670

■ 20.5067, 0.3178,
0.3423

■ 21.1479, 0.3089,
0.3193

Harmonies

Analogous

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



17.1390, 0.4569, 0.4813



17.1390, 0.3662, 0.5325



17.1390, 0.2675, 0.5045

Triad

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



17.1390, 0.3662, 0.5325



17.1390, 0.1391, 0.2019



17.1390, 0.4429, 0.2671

Complementary

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



17.1390, 0.3662, 0.5325



2.7255, 0.1952, 0.0966

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.



17.1390, 0.3298, 0.2129



17.1390, 0.3662, 0.5325



17.1390, 0.1670, 0.1755

Square

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



17.1390, 0.3662, 0.5325



17.1390, 0.1440, 0.2713



17.1390, 0.2302, 0.1808



17.1390, 0.5164, 0.3337

Rectangle

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



17.1390, 0.3662, 0.5325



17.1390, 0.2098, 0.4325



17.1390, 0.2302, 0.1808



17.1390, 0.4067, 0.2471

Sweetspot

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



17.1398, 0.3662, 0.5325



34.0345, 0.3366, 0.3955



7.1202, 0.5402, 0.3833



7.6858, 0.3391, 0.4029



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



17.1398, 0.3662, 0.5325



29.5025, 0.3623, 0.5506



15.3418, 0.3104, 0.5738



4.9498, 0.3209, 0.3506



17.2386, 0.3634, 0.5496



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.7255, 0.1952, 0.0966



3.4476, 0.1754, 0.0740



5.1288, 0.2865, 0.1445



4.2760, 0.3040, 0.3071



2.0486, 0.1774, 0.0751



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.1390, 0.3662, 0.5325 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 17.1390, 0.3662, 0.5325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

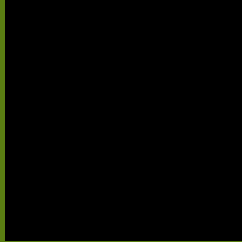
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1390, 0.3662, 0.5325

Background



This preview shows how black text looks on a background with the Yxy color 17.1390, 0.3662, 0.5325.



This preview shows how white text looks on a background with the Yxy color 17.1390, 0.3662, 0.5325.

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

17.1390, 0.3662, 0.5325

Protanopia

16.9631, 0.4344, 0.4825

Deuteranopia

16.9553, 0.4563, 0.4500



Tritanopia

17.0797, 0.2834, 0.3089

Trichromacy



Original Color

17.1390, 0.3662, 0.5325

Protanomaly

16.8759, 0.4088, 0.5014

Deuteranomaly

16.6167, 0.4226, 0.4804

Tritanomaly

16.7177, 0.3229, 0.4007

Monochromacy



Original Color

17.1390, 0.3662, 0.5325

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.4334, 0.3435, 0.4170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1390, 0.3662, 0.5325 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(90, 126, 18)` looks like.

```
.text, #text, p{  
    color:rgb(90, 126, 18)  
}
```

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(90, 126, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 126, 18) }
```

Border

The CSS property to change the border of an element to Yxy 17.1390, 0.3662, 0.5325 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(90, 126, 18) }
```

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

```
.border{ border-color:rgb(90, 126, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 126, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 126, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 126, 18);  
box-shadow:4px 4px 4px 4px rgb(90, 126,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1390, 0.3662, 0.5325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 126, 18) }
```

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

```
.background{ background-color: rgb(90, 126,  
18) }
```

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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