

Converting Colors

XYZ(13.8587, 24.6334, 6.2145)

Have a look what the booklet for
XYZ(13.8587, 24.6334, 6.2145)
contains.

XYZ(13.9373, 24.7849, 6.2399)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.9373, 24.7849,
6.2399)**

Conversions

Conversions Part 1

Format	Color
Hex	389C2A
RGB	56, 156, 42
RGB Percent	22%, 61%, 16%
CMY	0.7804, 0.3882, 0.8353
CMYK	0.64, 0.00, 0.73, 0.39
HSL	113°, 58%, 39%
HSV	113°, 73%, 61%
XYZ	13.9373, 24.7849, 6.2399
YIQ	113.1040, -23.0060, -56.6540

Conversions

Conversions Part 2

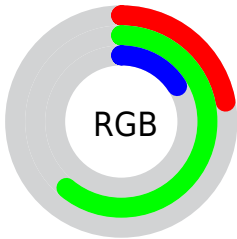
Format	Color
R_{YB}	42, 156, 142
Decimal	3709994
CIE Lab	56.87, -50.41, 48.52
CIE LCh	57, 69.968, 136.094
Yxy	24.7849, 0.3100, 0.5512
Android (android.graphics.Color)	4281900074 (0xFF389C2A)
YUV	113.1040, -35.0543, -50.0802
Hunter-Lab	49.7844, -37.1512, 27.4178

Details

The XYZ color **13.9373, 24.7849, 6.2399** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.9857, 9.8081, 32.3991**, and the grayscale version is **15.8333, 16.6578, 18.1404**.

A 20% lighter version of the original color is **32.4301, 51.0596, 18.9727**, and **4.8502, 9.7005, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **13.0478, 24.3533, 5.0141**, and if you desaturate by 10%, it is **15.1458, 25.3699, 8.0491**.

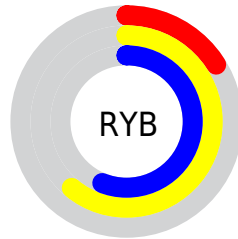
Distribution



Red (22%)

Green (61%)

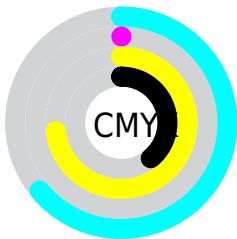
Blue (16%)



Red (16%)

Yellow (61%)

Blue (56%)

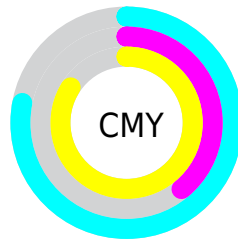


Cyan (64%)

Magenta (0%)

Yellow (73%)

Black (39%)



Cyan (78%)


Magenta (39%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.9373, 24.7849, 6.2399 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 XYZ color 13.9373, 24.7849, 6.2399 by changing the saturation by 10% instead.


 13.9373, 24.7849,
6.2399


 13.9373, 24.7849,
6.2399


210.3588,
276.7650, 170.5733


 8.1585, 15.9169,
2.9204


 32.5649, 51.3081,
18.9130


 4.2492, 9.4653,
1.0541


 46.1445, 69.7320,
29.1037

 1.8440, 5.0459,
0.0000


 63.0549, 92.1100,
42.4218

 0.5440, 2.2742,
0.0000

 83.6617, 118.8264,
59.2860

 0.0000, 0.7600,
0.0000

 108.3301,
150.2658, 80.1146

 0.0000, 0.0000,
0.0000

 137.4255,

186.8124, 105.3264

171.3133,
228.8507, 135.3397

■ 13.9373, 24.7849,
6.2399

■ 13.9373, 24.7849,
6.2399

■ 13.0478, 24.3533,
5.0141

■ 15.1458, 25.3699,
8.0491

■ 12.4446, 24.0575,
4.2984

■ 16.6984, 26.1176,
10.5001

■ 12.1605, 23.9180,
3.9757

■ 18.6197, 27.0404,
13.6463

■ 20.9312, 28.1484,
17.5350

■ 23.6533, 29.4510,
22.2091

■ 26.8045, 30.9571,
27.7086

■ 30.4023, 32.6747,
34.0706

■ 34.4634, 34.6118,
41.3300

■ 39.0033, 36.7757,
49.5196

Harmonies

Analogous

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



19.4568, 24.7849, 2.7114



13.9373, 24.7849, 6.2399



11.3413, 24.7849, 17.5360

Triad

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



13.9373, 24.7849, 6.2399



19.9726, 24.7849, 98.6805



42.1531, 24.7849, 16.3174

Complementary

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



13.9373, 24.7849, 6.2399



17.9857, 9.8081, 32.3991

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.



42.3829, 24.7849, 39.3379



13.9373, 24.7849, 6.2399



28.1969, 24.7849, 97.6264

Square

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



13.9373, 24.7849, 6.2399



14.2391, 24.7849, 74.2519



36.8186, 24.7849, 71.8865



36.2490, 24.7849, 5.7923

Rectangle

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



13.9373, 24.7849, 6.2399



11.1141, 24.7849, 32.0620



36.8186, 24.7849, 71.8865



42.9362, 24.7849, 22.4771

Sweetspot

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



13.9379, 24.7859, 6.2405



43.3015, 53.6528, 40.9293



23.6248, 26.2272, 6.0081



9.2404, 11.6683, 8.5083



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.9379, 24.7859, 6.2405



22.9131, 43.8467, 8.1462



14.4366, 24.9073, 12.3940



6.6227, 7.4381, 7.0723



10.0333, 19.7091, 3.2754



0.1986, 0.3623, 0.0595

Inverse Universe

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



17.9857, 9.8081, 32.3991



30.5176, 14.9731, 58.4084



17.5879, 9.9440, 16.9728



6.8240, 6.7132, 8.3428



13.4394, 6.3573, 26.4260



0.2606, 0.1242, 0.4735

Previews

White Background



This preview shows how the XYZ color 13.9373, 24.7849, 6.2399 looks on a white 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

Black Background



This preview shows how the XYZ color 13.9373, 24.7849, 6.2399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

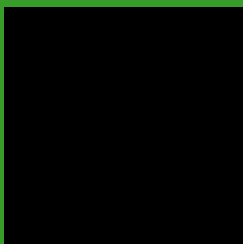
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.9373, 24.7849, 6.2399

Background



This preview shows how black text looks on a background with the XYZ color 13.9373, 24.7849, 6.2399.



This preview shows how white text looks on a background with the XYZ color 13.9373, 24.7849,

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

13.9373, 24.7849, 6.2399

Protanopia

22.0870, 24.4173, 5.2992

Deuteranopia

24.8323, 24.3835, 6.6465



Tritanopia

19.9320, 24.8311, 35.6406

Trichromacy



Original Color

13.9373, 24.7849, 6.2399



Protanomaly

17.5248, 23.5733, 5.5459



Deuteranomaly

18.6682, 23.2678, 6.3035



Tritanomaly

16.7485, 24.4670, 20.0595

Monochromacy



Original Color

13.9373, 24.7849, 6.2399



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

13.9842, 18.6639, 11.8823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9373, 24.7849, 6.2399 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(56, 156, 42)` looks like.

```
.text, #text, p{  
    color:rgb(56, 156, 42)  
}
```

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(56, 156, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 156, 42) }
```

Border

The CSS property to change the border of an element to XYZ 13.9373, 24.7849, 6.2399 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(56, 156, 42) }
```


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

```
.border{ border-color:rgb(56, 156, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 156, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 156, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 156, 42);  
box-shadow:4px 4px 4px 4px rgb(56, 156,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9373, 24.7849, 6.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 156, 42) }
```

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

```
.background{ background-color: rgb(56, 156,  
42) }
```

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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