

Converting Colors

XYZ(13.4133, 23.8821, 11.1428)

Have a look what the booklet for
XYZ(13.4133, 23.8821, 11.1428)
contains.

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Color

**XYZ(13.4374, 23.9225,
11.1170)**

Conversions

Conversions Part 1

Format	Color
Hex	1D9A4E
RGB	29, 154, 78
RGB Percent	11%, 60%, 31%
CMY	0.8863, 0.3961, 0.6941
CMYK	0.81, 0.00, 0.49, 0.40
HSL	144°, 68%, 36%
HSV	144°, 81%, 60%
XYZ	13.4374, 23.9225, 11.1170
YIQ	107.9610, -50.1040, -50.1360

Conversions

Conversions Part 2

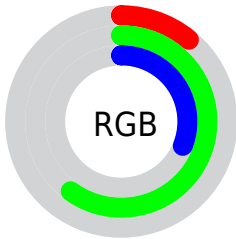
Format	Color
RYB	29, 119, 154
Decimal	1940046
CIELab	56.01, -49.92, 30.68
CIELCh	56, 58.589, 148.425
Yxy	23.9225, 0.2772, 0.4935
Android (android.graphics.Color)	4280130126 (0xFF1D9A4E)
YUV	107.9610, -14.7708, -69.2488
Hunter-Lab	48.9106, -36.5536, 20.7613

Details

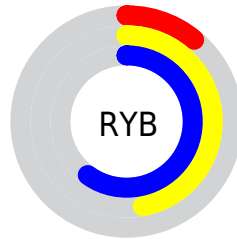
The XYZ color **13.4374, 23.9225, 11.1170** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **16.3162, 8.7690, 14.1974**, and the grayscale version is **14.2935, 15.0379, 16.3762**.

A 20% lighter version of the original color is **31.5206, 49.6462, 28.3434**, and **4.9010, 9.4063, 2.8536** is the 20% darker color. If you saturate the color by 10%, you get **12.7940, 23.6276, 9.4579**, and if you desaturate by 10%, it is **14.3473, 24.3507, 13.0392**.

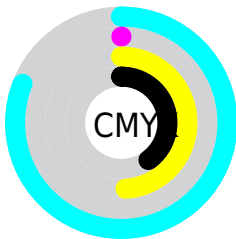
Distribution



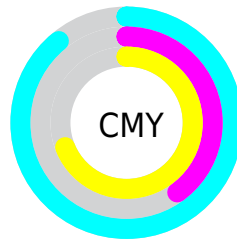
- Red (11%)
- Green (60%)
- Blue (31%)



- Red (11%)
- Yellow (47%)
- Blue (60%)



- Cyan (81%)
- Magenta (0%)
- Yellow (49%)
- Black (40%)





- Cyan (89%)
- Magenta (40%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4374, 23.9225, 11.1170 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 13.4374, 23.9225, 11.1170 by changing the saturation by 10% instead.


 13.4374, 23.9225,
11.1170


 13.4374, 23.9225,
11.1170


207.2836,
272.4284, 209.2347


 7.8095, 15.2761,
6.0304

 31.6821, 49.9037,
28.5163


 4.0241, 9.0134,
2.7945


 45.0295, 68.0073,
41.6660


 1.7158, 4.7499,
0.9907

 61.6809, 90.0322,
58.3406

 0.4661, 2.1013,
0.0000

 82.0015, 116.3626,
78.9586

 0.0000, 0.6654,
0.0000

 106.3567,
147.3831, 103.9384

 0.0000, 0.0000,
0.0000

 135.1119,

183.4779, 133.6987

168.6324,
225.0316, 168.6579

■ 13.4374, 23.9225,
11.1170

■ 13.4374, 23.9225,
11.1170

■ 12.7940, 23.6276,
9.4579

■ 14.3473, 24.3507,
13.0392

■ 12.3815, 23.4424,
8.1987

■ 15.5526, 24.9246,
15.2342

■ 17.0798, 25.6587,
17.7131

■ 18.9520, 26.5644,
20.4859

■ 21.1902, 27.6525,
23.5619

■ 23.8134, 28.9325,
26.9501

■ 26.8395, 30.4135,
30.6593

■ 30.2850, 32.1040,
34.6977

■ 34.1658, 34.0117,
39.0732

Harmonies

Analogous

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



17.1427, 23.9225, 5.2145



13.4374, 23.9225, 11.1170



12.1424, 23.9225, 25.0472

Triad

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



13.4374, 23.9225, 11.1170



22.3856, 23.9225, 83.0324



36.0451, 23.9225, 12.1420

Complementary

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



13.4374, 23.9225, 11.1170



16.3162, 8.7690, 14.1974

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.



38.1901, 23.9225, 27.0742



13.4374, 23.9225, 11.1170



29.4339, 23.9225, 73.7983

Square

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



13.4374, 23.9225, 11.1170



16.6400, 23.9225, 71.7877



35.5661, 23.9225, 50.5202



30.1680, 23.9225, 5.5690

Rectangle

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



13.4374, 23.9225, 11.1170



12.5788, 23.9225, 39.5275



35.5661, 23.9225, 50.5202



37.2718, 23.9225, 16.0443

Sweetspot

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



13.4380, 23.9235, 11.1175



41.5995, 51.7463, 46.8528



17.7318, 26.2703, 5.2985



9.0561, 11.5370, 10.1403



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.



13.4380, 23.9235, 11.1175



22.6150, 42.6415, 15.1505



16.7537, 25.2497, 28.5777



6.2274, 6.9637, 7.1210



10.1037, 19.1049, 6.7669



0.1681, 0.2925, 0.1911

Inverse Universe

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



16.3162, 8.7690, 14.1974



27.9662, 14.0880, 20.5968



14.2132, 7.9278, 3.1231



6.3586, 6.2826, 7.2683



12.5079, 6.2574, 9.1994



0.2048, 0.1007, 0.2312

Previews

White Background



This preview shows how the XYZ color 13.4374, 23.9225, 11.1170 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 13.4374, 23.9225, 11.1170 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 13.4374, 23.9225, 11.1170

Background



This preview shows how black text looks on a background with the XYZ color 13.4374, 23.9225, 11.1170.



This preview shows how white text looks on a background with the XYZ color 13.4374, 23.9225,

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

13.4374, 23.9225, 11.1170

Protanopia

21.5575, 23.4330, 9.3481

Deuteranopia

23.9270, 23.4117, 11.8521



Tritanopia

18.3256, 23.7751, 35.5215

Trichromacy



Original Color

13.4374, 23.9225, 11.1170



Protanomaly

16.4698, 22.4872, 9.9510



Deuteranomaly

17.2787, 22.0112, 11.3206



Tritanomaly

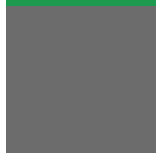
15.8514, 23.4421, 24.1114

Monochromacy



Original Color

13.4374, 23.9225, 11.1170



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

12.7157, 17.1926, 13.9576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4374, 23.9225, 11.1170 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(29, 154, 78)` looks like.

```
.text, #text, p{  
    color:rgb(29, 154, 78)  
}
```

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(29, 154, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 154, 78) }
```

Border

The CSS property to change the border of an element to XYZ 13.4374, 23.9225, 11.1170 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(29, 154, 78) }
```


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

```
.border{ border-color:rgb(29, 154, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 154, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 154, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 154, 78);  
box-shadow:4px 4px 4px 4px rgb(29, 154,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4374, 23.9225, 11.1170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 154, 78) }
```

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

```
.background{ background-color: rgb(29, 154,  
78) }
```

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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