

Converting Colors

XYZ(13.7114, 23.2121, 9.2383)

Have a look what the booklet for
XYZ(13.7114, 23.2121, 9.2383)
contains.

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Color

**XYZ(13.6371, 23.0999,
9.2088)**

Conversions

Conversions Part 1

Format	Color
Hex	399644
RGB	57, 150, 68
RGB Percent	22%, 59%, 27%
CMY	0.7765, 0.4118, 0.7333
CMYK	0.62, 0.00, 0.55, 0.41
HSL	127°, 45%, 41%
HSV	127°, 62%, 59%
XYZ	13.6371, 23.0999, 9.2088
YIQ	112.8450, -29.1060, -45.2180

Conversions

Conversions Part 2

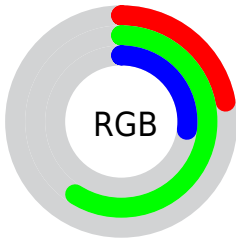
Format	Color
RYB	57, 140, 150
Decimal	3774020
CIELab	55.18, -45.03, 34.93
CIELCh	55, 56.989, 142.204
Yxy	23.0999, 0.2968, 0.5028
Android (android.graphics.Color)	4281964100 (0xFF399644)
YUV	112.8450, -22.1086, -48.9761
Hunter-Lab	48.0624, -33.4620, 22.2836

Details

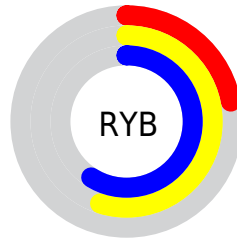
The XYZ color **13.6371, 23.0999, 9.2088** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **18.7017, 11.2748, 25.6174**, and the grayscale version is **15.7202, 16.5389, 18.0109**.

A 20% lighter version of the original color is **32.0408, 48.5481, 24.8215**, and **4.4852, 8.7824, 2.0749** is the 20% darker color. If you saturate the color by 10%, you get **12.5459, 22.5795, 7.2834**, and if you desaturate by 10%, it is **15.0732, 23.7889, 11.6268**.

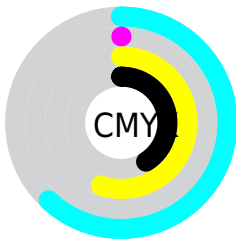
Distribution



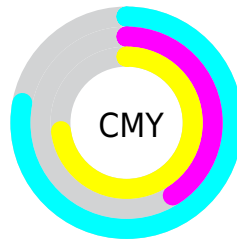
- Red (22%)
- Green (59%)
- Blue (27%)



- Red (22%)
- Yellow (55%)
- Blue (59%)



- Cyan (62%)
- Magenta (0%)
- Yellow (55%)
- Black (41%)



- Cyan (78%)
- Magenta (41%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6371, 23.0999, 9.2088 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 13.6371, 23.0999, 9.2088 by changing the saturation by 10% instead.

■ 13.6371, 23.0999,
9.2088

■ 13.6371, 23.0999,
9.2088

208.5175,
268.2377, 195.2030

■ 7.9487, 14.6673,
4.7790

■ 32.0354, 48.5573,
24.8804

■ 4.1137, 8.5862,
2.0617

■ 45.4760, 66.3509,
36.9593

■ 1.7666, 4.4723,
0.5928

■ 62.2314, 88.0336,
52.4249

■ 0.4974, 1.9411,
0.0000

■ 82.6669, 113.9898,
71.6958

■ 0.0000, 0.5729,
0.0000

■ 107.1479,
144.6039, 95.1905

■ 0.0000, 0.0000,
0.0000

136.0398,

180.2604, 123.3276

169.7079,
221.3435, 156.5256

■ 13.6371, 23.0999,
9.2088

■ 13.6371, 23.0999,
9.2088

■ 12.5459, 22.5795,
7.2834

■ 15.0732, 23.7889,
11.6268

■ 11.7687, 22.2106,
5.8153

■ 16.8783, 24.6562,
14.5664

■ 11.2719, 21.9771,
4.7670

■ 19.0763, 25.7144,
18.0562

■ 11.0139, 21.8564,
4.1995

■ 21.6887, 26.9738,
22.1223

■ 24.7352, 28.4443,
26.7891

■ 28.2346, 30.1347,
32.0797

■ 32.2041, 32.0539,
38.0158

■ 36.6605, 34.2097,
44.6182

■ 41.6195, 36.6099,
51.9066

Harmonies

Analogous

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



17.6489, 23.0999, 4.6589



13.6371, 23.0999, 9.2088



11.9276, 23.0999, 20.6917

Triad

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



13.6371, 23.0999, 9.2088



20.3375, 23.0999, 78.2930



35.3438, 23.0999, 14.0976

Complementary

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



13.6371, 23.0999, 9.2088



18.7017, 11.2748, 25.6174

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.



36.4460, 23.0999, 30.2109



13.6371, 23.0999, 9.2088



26.9118, 23.0999, 73.5431

Square

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



13.6371, 23.0999, 9.2088



15.2785, 23.0999, 64.2455



33.1128, 23.0999, 53.3190



30.3403, 23.0999, 6.3805

Rectangle

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



13.6371, 23.0999, 9.2088



12.0367, 23.0999, 33.3103



33.1128, 23.0999, 53.3190



36.2174, 23.0999, 18.4478

Sweetspot

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



13.6377, 23.1009, 9.2093



39.6101, 48.2455, 41.0973



22.3183, 27.6111, 8.0243



8.4853, 10.5506, 8.6566



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.6377, 23.1009, 9.2093



21.6056, 39.5921, 11.8690



15.6516, 23.9064, 19.8144



5.7559, 6.4789, 6.3252



9.1412, 18.1293, 3.5191



0.1173, 0.2241, 0.0717

Inverse Universe

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



18.7017, 11.2748, 25.6174



31.2736, 16.9252, 43.1281



16.0018, 10.1948, 11.3997



6.0061, 5.8975, 7.1382



13.9082, 6.7683, 18.7953



0.1770, 0.0855, 0.2654

Previews

White Background



This preview shows how the XYZ color 13.6371, 23.0999, 9.2088 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 13.6371, 23.0999, 9.2088 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 13.6371, 23.0999, 9.2088

Background



This preview shows how black text looks on a background with the XYZ color 13.6371, 23.0999, 9.2088.



This preview shows how white text looks on a background with the XYZ color 13.6371, 23.0999,

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

13.6371, 23.0999, 9.2088

Protanopia

20.6629, 22.6001, 7.8306

Deuteranopia

23.1008, 22.6488, 9.8107



Tritanopia

18.4168, 22.9790, 33.1705

Trichromacy



Original Color

13.6371, 23.0999, 9.2088

Protanomaly

16.8239, 22.0578, 8.2214

Deuteranomaly

17.8632, 21.7290, 9.3835

Tritanomaly

16.0230, 22.6666, 21.6197

Monochromacy



Original Color

13.6371, 23.0999, 9.2088

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.1327, 18.1119, 14.0603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6371, 23.0999, 9.2088 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(57, 150, 68)` looks like.

```
.text, #text, p{  
    color:rgb(57, 150, 68)  
}
```

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(57, 150, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 150, 68) }
```

Border

The CSS property to change the border of an element to XYZ 13.6371, 23.0999, 9.2088 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(57, 150, 68) }
```


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

```
.border{ border-color:rgb(57, 150, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 150, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 150, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 150, 68);  
box-shadow:4px 4px 4px 4px rgb(57, 150,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6371, 23.0999, 9.2088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 150, 68) }
```

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

```
.background{ background-color: rgb(57, 150,  
68) }
```

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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