

Converting Colors

XYZ(13.0270, 21.7467, 3.5109)

Have a look what the booklet for
XYZ(13.0270, 21.7467, 3.5109)
contains.

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Color

**XYZ(13.0270, 21.7467,
3.5109)**

Conversions

Conversions Part 1

Format	Color
Hex	4B9100
RGB	75, 145, 0
RGB Percent	29%, 57%, 0%
CMY	0.7059, 0.4314, 1.0000
CMYK	0.48, 0.00, 1.00, 0.43
HSL	89°, 100%, 28%
HSV	89°, 100%, 57%
XYZ	13.0270, 21.7467, 3.5109
YIQ	107.5400, 4.8250, -59.9350

Conversions

Conversions Part 2

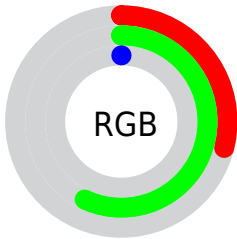
Format	Color
RYB	0, 145, 70
Decimal	4952320
CIELab	53.76, -42.88, 56.61
CIELCh	54, 71.022, 127.143
Yxy	21.7467, 0.3403, 0.5680
Android (android.graphics.Color)	4283142400 (0xFF4B9100)
YUV	107.5400, -53.0172, -28.5376
Hunter-Lab	46.6334, -31.7445, 28.1796

Details

The XYZ color **13.0270, 21.7467, 3.5109** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.6380, 3.3473, 27.0329**, and the grayscale version is **14.2684, 15.0115, 16.3475**.

A 20% lighter version of the original color is **31.0885, 46.5635, 12.9793**, and **4.1154, 8.0635, 1.3395** is the 20% darker color. If you saturate the color by 10%, you get **13.0271, 21.7474, 3.5111**, and if you desaturate by 10%, it is **13.6883, 22.0787, 3.9740**.

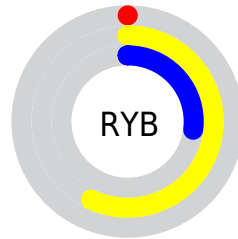
Distribution



Red (29%)

Green (57%)

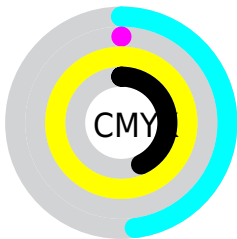
Blue (0%)



Red (0%)

Yellow (57%)

Blue (27%)

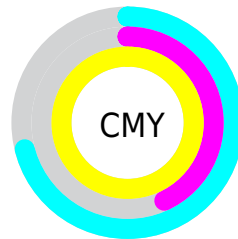


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (71%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0270, 21.7467, 3.5109 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 13.0270, 21.7467, 3.5109 by changing the saturation by 10% instead.

■ 13.0270, 21.7467,
3.5109

■ 13.0270, 21.7467,
3.5109

204.7247,
261.2206, 142.6232

■ 7.5243, 13.6709,
1.3611

■ 30.9532, 46.3270,
12.8650

■ 3.8413, 7.8921,
0.1111

■ 44.1073, 63.6003,
20.9064

■ 1.6128, 4.0260,
0.0000

■ 60.5427, 84.7082,
31.7487

■ 0.4007, 1.6881,
0.0000

■ 80.6246, 110.0351,
45.8105


■ 0.0000, 0.4159,
0.0000


■ 104.7184,
139.9654, 63.5103


■ 0.0000, 0.0000,
0.0000


■ 133.1894,


174.8834, 85.2667

 166.4031,
215.1737, 111.4981


 13.0270, 21.7467,
3.5109


 13.0270, 21.7467,
3.5109


 13.0271, 21.7474,
3.5111

 13.6883, 22.0787,
3.9740

 14.4677, 22.4644,
4.7366

 15.3954, 22.9169,
5.9469

 16.4837, 23.4411,
7.6603

 17.7432, 24.0416,
9.9241

■ 19.1834, 24.7223,
12.7802

■ 20.8130, 25.4870,
16.2664

■ 22.6401, 26.3389,
20.4175

■ 24.6721, 27.2812,
25.2655

Harmonies

Analogous

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



18.9012, 21.7467, 1.6810



13.0270, 21.7467, 3.5109



9.8973, 21.7467, 10.8365

Triad

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



13.0270, 21.7467, 3.5109



15.4864, 21.7467, 87.1810



38.8751, 21.7467, 18.8358

Complementary

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



13.0270, 21.7467, 3.5109



7.6380, 3.3473, 27.0329

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.



37.3173, 21.7467, 43.9949



13.0270, 21.7467, 3.5109



22.5450, 21.7467, 94.4514

Square

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



13.0270, 21.7467, 3.5109



11.0545, 21.7467, 59.1116



30.8349, 21.7467, 75.3252



34.6813, 21.7467, 6.3077

Rectangle

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



13.0270, 21.7467, 3.5109



9.2206, 21.7467, 21.6489



30.8349, 21.7467, 75.3252



39.0208, 21.7467, 25.8310

Sweetspot

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



13.0275, 21.7476, 3.5114



37.0764, 45.5500, 28.7000



13.7251, 10.1149, 1.2293



7.9976, 10.0157, 5.8401



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.0275, 21.7476, 3.5114



23.1263, 38.8403, 6.2781



10.1866, 20.2831, 3.3784



5.5922, 6.1579, 5.7832



11.2033, 18.6681, 3.0128



0.1326, 0.1916, 0.0300

Inverse Universe

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



7.6380, 3.3473, 27.0329



13.4777, 5.8907, 48.4002



15.9551, 7.6349, 27.4222



5.3618, 5.3747, 6.7836



6.5805, 2.8859, 23.1873



0.0881, 0.0406, 0.2229

Previews

White Background



This preview shows how the XYZ color 13.0270, 21.7467, 3.5109 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 13.0270, 21.7467, 3.5109 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 13.0270, 21.7467, 3.5109

Background



This preview shows how black text looks on a background with the XYZ color 13.0270, 21.7467, 3.5109.



This preview shows how white text looks on a background with the XYZ color 13.0270, 21.7467,

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

13.0270, 21.7467, 3.5109

Protanopia

19.2208, 21.3676, 3.1113

Deuteranopia

21.7571, 21.3405, 4.1348



Tritanopia

18.4684, 21.7830, 30.4253

Trichromacy



Original Color

13.0270, 21.7467, 3.5109

Protanomaly

16.1328, 20.9721, 3.1977

Deuteranomaly

17.2977, 20.7548, 3.6666

Tritanomaly

15.1389, 21.2818, 13.6658

Monochromacy



Original Color

13.0270, 21.7467, 3.5109

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

12.7354, 16.5912, 8.1614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0270, 21.7467, 3.5109 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(75, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(75, 145, 0)  
}
```

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(75, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 145, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.0270, 21.7467, 3.5109 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(75, 145, 0) }
```


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

```
.border{ border-color:rgb(75, 145, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 145, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(75, 145, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.0270, 21.7467, 3.5109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 145, 0) }
```

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

```
.background{ background-color: rgb(75, 145,  
0) }
```

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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