

Converting Colors

XYZ(13.9956, 25.9448, 5.8003)

Have a look what the booklet for
XYZ(13.9956, 25.9448, 5.8003)
contains.

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Color

**XYZ(13.9417, 25.8150,
5.7614)**

Conversions

Conversions Part 1

Format	Color
Hex	2DA022
RGB	45, 160, 34
RGB Percent	18%, 63%, 13%
CMY	0.8235, 0.3725, 0.8666
CMYK	0.72, 0.00, 0.79, 0.37
HSL	115°, 65%, 38%
HSV	115°, 79%, 63%
XYZ	13.9417, 25.8150, 5.7614
YIQ	111.2510, -28.0940, -63.5660

Conversions

Conversions Part 2

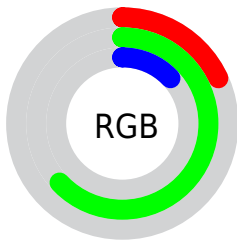
Format	Color
R _Y B	34, 160, 149
Decimal	2990114
CIE Lab	57.86, -54.68, 52.26
CIE LCh	58, 75.635, 136.293
Yxy	25.8150, 0.3063, 0.5671
Android (android.graphics.Color)	4281180194 (0xFF2DA022)
YUV	111.2510, -38.0847, -58.1021
Hunter-Lab	50.8085, -39.9349, 28.8428

Details

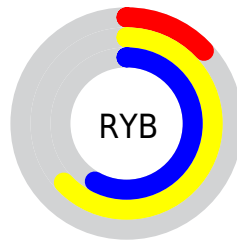
The XYZ color **13.9417, 25.8150, 5.7614** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **19.3138, 10.0730, 34.1855**, and the grayscale version is **15.2962, 16.0927, 17.5250**.

A 20% lighter version of the original color is **32.6657, 53.0842, 17.9758**, and **5.2577, 10.5154, 1.7526** is the 20% darker color. If you saturate the color by 10%, you get **13.2276, 25.4684, 4.7912**, and if you desaturate by 10%, it is **14.9868, 26.3214, 7.3090**.

Distribution



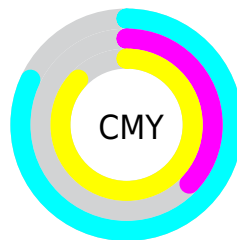
- Red (18%)
- Green (63%)
- Blue (13%)



- Red (13%)
- Yellow (63%)
- Blue (58%)



- Cyan (72%)
- Magenta (0%)
- Yellow (79%)
- Black (37%)



- Cyan (82%)
- Magenta (37%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9417, 25.8150, 5.7614 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 13.9417, 25.8150, 5.7614 by changing the saturation by 10% instead.

■ 13.9417, 25.8150,
5.7614

■ 13.9417, 25.8150,
5.7614

210.3857,
281.8727, 166.1539

■ 8.1616, 16.6853,
2.6341

■ 32.5727, 52.9763,
17.9026

■ 4.2512, 10.0104,
0.9100

■ 46.1542, 71.7768,
27.7537

■ 1.8452, 5.4058,
0.0000

■ 63.0670, 94.5696,
40.6831

■ 0.5447, 2.4873,
0.0000

■ 83.6762, 121.7391,
57.1093

■ 0.0000, 0.8703,
0.0000

■ 108.3474,
153.6698, 77.4510

■ 0.0000, 0.0000,
0.0000

■ 137.4458,

190.7460, 102.1266

171.3368,
233.3522, 131.5547

■ 13.9417, 25.8150,
5.7614

■ 13.9417, 25.8150,
5.7614

■ 13.2276, 25.4684,
4.7912

■ 14.9868, 26.3214,
7.3090

■ 12.7925, 25.2554,
4.2581

■ 16.3950, 27.0002,
9.5027

■ 12.7518, 25.2357,
4.1989

■ 18.1964, 27.8665,
12.4037

■ 20.4177, 28.9329,
16.0655

■ 23.0830, 30.2107,
20.5364

■ 26.2148, 31.7107,
25.8609

■ 29.8340, 33.4425,
32.0800

■ 33.9601, 35.4156,
39.2323

■ 38.6117, 37.6386,
47.3539

Harmonies

Analogous

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



19.9500, 25.8150, 2.2336



13.9417, 25.8150, 5.7614



11.1665, 25.8150, 17.8324

Triad

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



13.9417, 25.8150, 5.7614



20.6215, 25.8150, 110.2403



45.4401, 25.8150, 16.2687

Complementary

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



13.9417, 25.8150, 5.7614



19.3138, 10.0730, 34.1855

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.



45.7488, 25.8150, 41.7242



13.9417, 25.8150, 5.7614



29.7767, 25.8150, 108.7919

Square

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



13.9417, 25.8150, 5.7614



14.3280, 25.8150, 82.0806



39.4731, 25.8150, 78.8586



38.7118, 25.8150, 5.2235

Rectangle

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



13.9417, 25.8150, 5.7614



10.9358, 25.8150, 33.9630



39.4731, 25.8150, 78.8586



46.3462, 25.8150, 22.9681

Sweetspot

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



13.9423, 25.8161, 5.7620



44.2404, 55.9680, 41.2339



25.2832, 28.5825, 5.6982



9.3002, 12.0819, 8.3612



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



13.9423, 25.8161, 5.7620



23.4213, 45.9494, 8.0003



14.8474, 26.1293, 12.7318



6.6018, 7.4273, 7.0713



9.9506, 19.6664, 3.2716



0.1918, 0.3588, 0.0591

Inverse Universe

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



19.3138, 10.0730, 34.1855



33.3849, 16.0848, 61.7316



17.8630, 9.7355, 15.5768



6.8471, 6.7251, 8.3439



14.2011, 6.7499, 26.4616



0.2689, 0.1284, 0.4738

Previews

White Background



This preview shows how the XYZ color 13.9417, 25.8150, 5.7614 looks on a white background.

Color Contrast Check

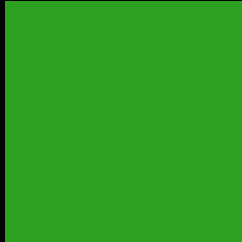
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9417, 25.8150, 5.7614 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 13.9417, 25.8150, 5.7614

Background



This preview shows how black text looks on a background with the XYZ color 13.9417, 25.8150, 5.7614.



This preview shows how white text looks on a background with the XYZ color 13.9417, 25.8150,

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

13.9417, 25.8150, 5.7614

Protanopia

22.8156, 25.2294, 4.7658

Deuteranopia

25.8630, 25.3221, 6.2138



Tritanopia

20.3224, 25.6878, 37.6054

Trichromacy



Original Color

13.9417, 25.8150, 5.7614



Protanomaly

17.5835, 24.2963, 4.9912



Deuteranomaly

18.6951, 23.9488, 5.8277



Tritanomaly

16.7325, 25.1785, 20.1977

Monochromacy



Original Color

13.9417, 25.8150, 5.7614



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.3421, 18.3513, 11.0226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9417, 25.8150, 5.7614 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(45, 160, 34)` looks like.

```
.text, #text, p{  
    color:rgb(45, 160, 34)  
}
```

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(45, 160, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 160, 34) }
```

Border

The CSS property to change the border of an element to XYZ 13.9417, 25.8150, 5.7614 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(45, 160, 34) }
```


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

```
.border{ border-color:rgb(45, 160, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 160, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 160, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 160, 34);  
box-shadow:4px 4px 4px 4px rgb(45, 160,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9417, 25.8150, 5.7614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 160, 34) }
```

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

```
.background{ background-color: rgb(45, 160,  
34) }
```

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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