

Converting Colors

XYZ(14.9036, 28.1333, 6.4025)

Have a look what the booklet for
XYZ(14.9036, 28.1333, 6.4025)
contains.

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Color

**XYZ(14.9156, 28.1643,
6.4004)**

Conversions

Conversions Part 1

Format	Color
Hex	25A725
RGB	37, 167, 37
RGB Percent	15%, 65%, 15%
CMY	0.8549, 0.3451, 0.8549
CMYK	0.78, 0.00, 0.78, 0.35
HSL	120°, 64%, 40%
HSV	120°, 78%, 65%
XYZ	14.9156, 28.1643, 6.4004
YIQ	113.3100, -35.7500, -67.9900

Conversions

Conversions Part 2

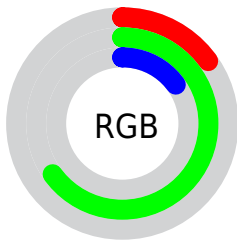
Format	Color
RYB	37, 167, 167
Decimal	2467621
CIELab	60.04, -58.05, 53.33
CIElCh	60, 78.832, 137.425
Yxy	28.1643, 0.3014, 0.5692
Android (android.graphics.Color)	4280657701 (0xFF25A725)
YUV	113.3100, -37.6208, -66.9239
Hunter-Lab	53.0700, -42.7043, 29.9985

Details

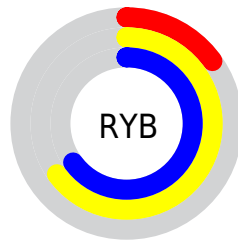
The XYZ color **14.9156, 28.1643, 6.4004** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **23.5735, 12.3290, 37.6956**, and the grayscale version is **15.9050, 16.7333, 18.2226**.

A 20% lighter version of the original color is **34.1451, 56.5513, 19.2411**, and **5.9051, 11.8103, 1.9684** is the 20% darker color. If you saturate the color by 10%, you get **14.2429, 27.8420, 5.2996**, and if you desaturate by 10%, it is **15.9835, 28.6781, 8.1469**.

Distribution



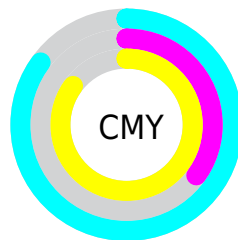
- Red (15%)
- Green (65%)
- Blue (15%)



- Red (15%)
- Yellow (65%)
- Blue (65%)



- Cyan (78%)
- Magenta (0%)
- Yellow (78%)
- Black (35%)





- Cyan (85%)
- Magenta (35%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.9156, 28.1643, 6.4004 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 14.9156, 28.1643, 6.4004 by changing the saturation by 10% instead.


 14.9156, 28.1643,
6.4004


 14.9156, 28.1643,
6.4004


216.2533,
293.2512, 172.0215


 8.8461, 18.4495,
3.0173

 34.2779, 56.7466,
19.2483


 4.6972, 11.2732,
1.1035


 48.3015, 76.3830,
29.5502


 2.1037, 6.2509,
0.0000


 65.7071, 100.0954,
42.9955

 0.6912, 2.9982,
0.0000

 86.8601, 128.2682,
60.0027

 0.0000, 1.1308,
0.0000

 112.1258,
161.2858, 80.9904

 0.0000, 0.0041,
0.0000

 141.8697,

 0.0000, 0.0000,

199.5325, 106.3770

0.0000

176.4571,
243.3929, 136.5812

■ 14.9156, 28.1643,
6.4004

■ 14.9156, 28.1643,
6.4004

■ 14.2429, 27.8420,
5.2996

■ 15.9835, 28.6781,
8.1469

■ 13.8841, 27.6697,
4.7126

■ 17.4924, 29.4029,
10.6150

■ 13.8193, 27.6385,
4.6066

■ 19.4838, 30.3595,
13.8723

■ 21.9940, 31.5653,
17.9781

■ 25.0557, 33.0360,
22.9861

■ 28.6990, 34.7860,
28.9454

■ 32.9519, 36.8289,
35.9016

■ 37.8404, 39.1771,
43.8975

■ 43.3892, 41.8425,
52.9734

Harmonies

Analogous

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



21.3915, 28.1643, 2.3753



14.9156, 28.1643, 6.4004



11.9959, 28.1643, 20.1300

Triad

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



14.9156, 28.1643, 6.4004



22.7803, 28.1643, 122.5477



49.7523, 28.1643, 16.9039

Complementary

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



14.9156, 28.1643, 6.4004



23.5735, 12.3290, 37.6956

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.



50.3946, 28.1643, 44.3558



14.9156, 28.1643, 6.4004



32.9805, 28.1643, 119.5216

Square

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



14.9156, 28.1643, 6.4004



15.7121, 28.1643, 92.1056



43.6620, 28.1643, 85.3846



42.0798, 28.1643, 5.3048

Rectangle

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



14.9156, 28.1643, 6.4004



11.8203, 28.1643, 38.3853



43.6620, 28.1643, 85.3846



50.8555, 28.1643, 24.0581

Sweetspot

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



14.9163, 28.1655, 6.4010



47.6289, 60.4875, 45.6754



30.0902, 35.9879, 7.1108



10.1678, 13.3003, 9.4187



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



14.9163, 28.1655, 6.4010



25.0358, 49.6349, 8.7197



16.9806, 28.9912, 17.2718



7.4368, 8.4078, 8.0202



10.5743, 21.1485, 3.5249



0.2573, 0.5145, 0.0858

Inverse Universe

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



23.5735, 12.3290, 37.6956



41.2052, 20.0563, 67.1698



18.9969, 10.4984, 13.5960



7.8419, 7.6666, 9.4848



17.5316, 8.4214, 28.6747



0.4265, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 14.9156, 28.1643, 6.4004 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 14.9156, 28.1643, 6.4004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

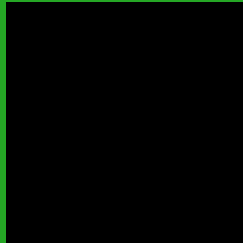
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.9156, 28.1643, 6.4004

Background



This preview shows how black text looks on a background with the XYZ color 14.9156, 28.1643, 6.4004.



This preview shows how white text looks on a background with the XYZ color 14.9156, 28.1643,

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

14.9156, 28.1643, 6.4004

Protanopia

24.9185, 27.6225, 5.3147

Deuteranopia

27.9921, 27.4310, 6.9513



Tritanopia

22.0169, 28.1819, 41.3250

Trichromacy



Original Color

14.9156, 28.1643, 6.4004



Protanomaly

18.7052, 26.2793, 5.5254



Deuteranomaly

19.6793, 25.5767, 6.4844



Tritanomaly

17.9476, 27.5218, 22.1356

Monochromacy



Original Color

14.9156, 28.1643, 6.4004



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

13.7735, 19.3622, 11.6057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9156, 28.1643, 6.4004 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(37, 167, 37)` looks like.

```
.text, #text, p{  
    color:rgb(37, 167, 37)  
}
```

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(37, 167, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 167, 37) }
```

Border

The CSS property to change the border of an element to XYZ 14.9156, 28.1643, 6.4004 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(37, 167, 37) }
```


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

```
.border{ border-color:rgb(37, 167, 37) }
```

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

Here you see how a box with a 4 pixel rgb(37, 167, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 167, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 167, 37);  
box-shadow:4px 4px 4px 4px rgb(37, 167,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9156, 28.1643, 6.4004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 167, 37) }
```

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

```
.background{ background-color: rgb(37, 167,  
37) }
```

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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