

Converting Colors

XYZ(10.8308, 26.3526, 6.2979)

Have a look what the booklet for
XYZ(10.8308, 26.3526, 6.2979)
contains.

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Color

**XYZ(14.3366, 28.1388,
6.4260)**

Conversions

Conversions Part 1

Format	Color
Hex	00A825
RGB	0, 168, 37
RGB Percent	0%, 66%, 15%
CMY	1.0000, 0.3412, 0.8549
CMYK	1.00, 0.00, 0.78, 0.34
HSL	133°, 100%, 33%
HSV	133°, 100%, 66%
XYZ	14.3366, 28.1388, 6.4260
YIQ	102.8340, -58.0770, -76.3570

Conversions

Conversions Part 2

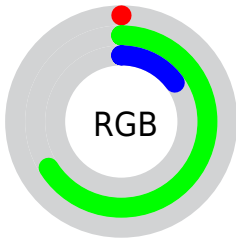
Format	Color
RYB	0, 138, 168
Decimal	43045
CIELab	60.01, -61.49, 53.19
CIELCh	60, 81.302, 139.138
Yxy	28.1388, 0.2932, 0.5754
Android (android.graphics.Color)	4278233125 (0xFF00A825)
YUV	102.8340, -32.4562, -90.1854
Hunter-Lab	53.0460, -44.5878, 29.9498

Details

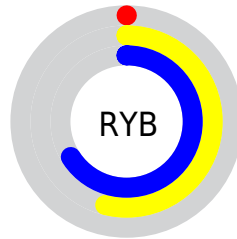
The XYZ color **14.3366, 28.1388, 6.4260** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.2462, 9.9641, 22.3305**, and the grayscale version is **12.9434, 13.6175, 14.8294**.

A 20% lighter version of the original color is **33.3712, 56.9503, 19.3589**, and **6.0173, 12.0346, 2.0058** is the 20% darker color. If you saturate the color by 10%, you get **14.3371, 28.1399, 6.4262**, and if you desaturate by 10%, it is **14.8089, 28.3549, 7.7221**.

Distribution



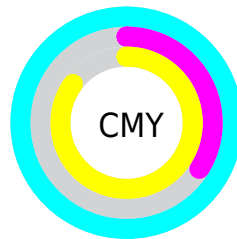
- Red (0%)
- Green (66%)
- Blue (15%)



- Red (0%)
- Yellow (54%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.3366, 28.1388, 6.4260 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 14.3366, 28.1388, 6.4260 by changing the saturation by 10% instead.


 14.3366, 28.1388,
6.4260


 14.3366, 28.1388,
6.4260

212.7839,
293.1296, 172.2510


 8.4384, 18.4303,
3.0329


 33.2664, 56.7060,
19.3016


 4.4309, 11.2594,
1.1114


 47.0287, 76.3334,
29.6212

 1.9487, 6.2416,
0.0000


 64.1431, 100.0360,
43.0866

 0.6049, 2.9925,
0.0000

 84.9750, 128.1981,
60.1165

 0.0000, 1.1278,
0.0000

 109.8896,
161.2041, 81.1293

 0.0000, 0.0015,
0.0000

 139.2524,

 0.0000, 0.0000,

199.4385, 106.5436

0.0000

173.4287,
243.2855, 136.7780

■ 14.3366, 28.1388,
6.4260

■ 14.3366, 28.1388,
6.4260

■ 14.3371, 28.1399,
6.4262

■ 14.8089, 28.3549,
7.7221

■ 15.5530, 28.7010,
9.4530

■ 16.6539, 29.2209,
11.6559

■ 18.1525, 29.9351,
14.3623

■ 20.0836, 30.8609,
17.6009

■ 22.4782, 32.0138,
21.3981

■ 25.3644, 33.4078,
25.7786

■ 28.7681, 35.0556,
30.7658

■ 32.7133, 36.9692,
36.3815

Harmonies

Analogous

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



20.7343, 28.1388, 2.1730



14.3366, 28.1388, 6.4260



11.5700, 28.1388, 21.1008

Triad

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



14.3366, 28.1388, 6.4260



23.1660, 28.1388, 127.6813



50.3083, 28.1388, 15.4887

Complementary

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



14.3366, 28.1388, 6.4260



20.2462, 9.9641, 22.3305

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.



51.4501, 28.1388, 42.6880



14.3366, 28.1388, 6.4260



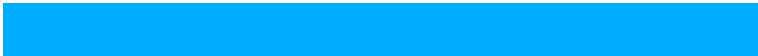
33.8179, 28.1388, 122.2444

Square

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



14.3366, 28.1388, 6.4260



15.7197, 28.1388, 97.1583



44.8052, 28.1388, 85.1311



41.9997, 28.1388, 4.5829

Rectangle

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



14.3366, 28.1388, 6.4260



11.5106, 28.1388, 40.6157



44.8052, 28.1388, 85.1311



51.6111, 28.1388, 22.4454

Sweetspot

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



14.3373, 28.1400, 6.4266



45.7110, 60.4689, 46.3079



23.4571, 32.8800, 5.1104



9.4833, 12.9477, 9.3716



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.



14.3373, 28.1400, 6.4266



25.9495, 51.0356, 11.3118



17.4180, 29.3723, 22.6495



7.5019, 8.4338, 8.3631



10.8428, 21.2559, 4.9390



0.2819, 0.5244, 0.2154

Inverse Universe

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



20.2462, 9.9641, 22.3305



36.6547, 18.0470, 40.0809



16.6745, 8.5355, 3.5225



7.7701, 7.6379, 9.1067



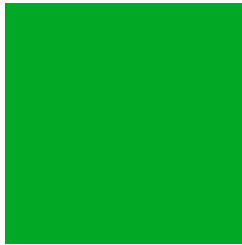
15.3080, 7.5319, 16.9656



0.3895, 0.1901, 0.5027

Previews

White Background



This preview shows how the XYZ color 14.3366, 28.1388, 6.4260 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 14.3366, 28.1388, 6.4260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

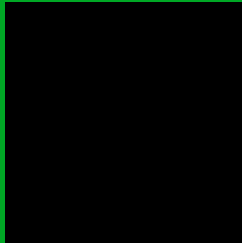
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.3366, 28.1388, 6.4260

Background



This preview shows how black text looks on a background with the XYZ color 14.3366, 28.1388, 6.4260.



This preview shows how white text looks on a background with the XYZ color 14.3366, 28.1388,

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

14.3366, 28.1388, 6.4260

Protanopia

25.1209, 27.7268, 5.3241

Deuteranopia

27.9921, 27.4310, 6.9513



Tritanopia

21.7442, 28.2806, 41.8488

Trichromacy



Original Color

14.3366, 28.1388, 6.4260



Protanomaly

17.2593, 25.7758, 5.5044



Deuteranomaly

18.0225, 24.9545, 6.4516



Tritanomaly

17.2782, 27.4281, 22.4727

Monochromacy



Original Color

14.3366, 28.1388, 6.4260



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

11.2474, 16.9015, 10.0667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3366, 28.1388, 6.4260 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(0, 168, 37)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 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(0, 168, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 37) }
```

Border

The CSS property to change the border of an element to XYZ 14.3366, 28.1388, 6.4260 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(0, 168, 37) }
```


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

```
.border{ border-color:rgb(0, 168, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 37);  
box-shadow:4px 4px 4px 4px rgb(0, 168, 37)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.3366, 28.1388, 6.4260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 37) }
```

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

```
.background{ background-color: rgb(0, 168,  
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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