

Converting Colors

XYZ(14.4007, 28.2532, 6.4904)

Have a look what the booklet for
XYZ(14.4007, 28.2532, 6.4904)
contains.

XYZ(14.3525, 28.1452, 6.5098)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.3525, 28.1452,
6.5098)**

Conversions

Conversions Part 1

Format	Color
Hex	00A826
RGB	0, 168, 38
RGB Percent	0%, 66%, 15%
CMY	1.0000, 0.3412, 0.8510
CMYK	1.00, 0.00, 0.77, 0.34
HSL	134°, 100%, 33%
HSV	134°, 100%, 66%
XYZ	14.3525, 28.1452, 6.5098
YIQ	102.9480, -58.3980, -76.0460

Conversions

Conversions Part 2

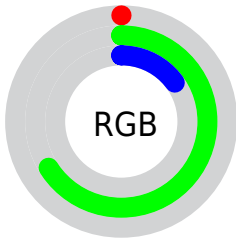
Format	Color
RYB	0, 137, 168
Decimal	43046
CIELab	60.02, -61.41, 52.86
CIElCh	60, 81.033, 139.279
Yxy	28.1452, 0.2929, 0.5743
Android (android.graphics.Color)	4278233126 (0xFF00A826)
YUV	102.9480, -32.0194, -90.2854
Hunter-Lab	53.0520, -44.5504, 29.8612

Details

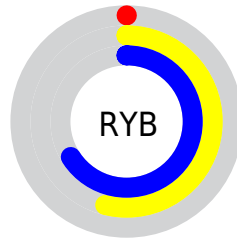
The XYZ color **14.3525, 28.1452, 6.5098** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.1785, 9.9370, 21.9744**, and the grayscale version is **12.9723, 13.6479, 14.8626**.

A 20% lighter version of the original color is **33.4152, 56.9679, 19.5907**, and **6.0173, 12.0346, 2.0058** is the 20% darker color. If you saturate the color by 10%, you get **14.3531, 28.1463, 6.5102**, and if you desaturate by 10%, it is **14.8285, 28.3628, 7.8256**.

Distribution



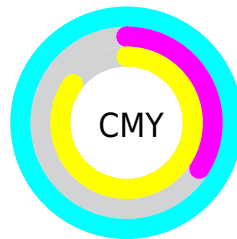
- Red (0%)
- Green (66%)
- Blue (15%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (34%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.3525, 28.1452, 6.5098 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 14.3525, 28.1452, 6.5098 by changing the saturation by 10% instead.


 14.3525, 28.1452,
6.5098


 14.3525, 28.1452,
6.5098


212.8799,
293.1601, 172.9994


 8.4496, 18.4351,
3.0837


 33.2943, 56.7162,
19.4758


 4.4382, 11.2628,
1.1375


 47.0638, 76.3459,
29.8529

 1.9529, 6.2439,
0.0000


 64.1863, 100.0509,
43.3840

 0.6073, 2.9940,
0.0000

 85.0270, 128.2157,
60.4877

 0.0000, 1.1286,
0.0000

 109.9514,
161.2246, 81.5825

 0.0000, 0.0022,
0.0000

 139.3248,

 0.0000, 0.0000,

199.4621, 107.0871

0.0000

173.5125,
243.3124, 137.4198

■ 14.3525, 28.1452,
6.5098

■ 14.3525, 28.1452,
6.5098

■ 14.3531, 28.1463,
6.5102

■ 14.8285, 28.3628,
7.8256

■ 15.5755, 28.7100,
9.5719

■ 16.6784, 29.2307,
11.7852

■ 18.1777, 29.9452,
14.4960

■ 20.1083, 30.8708,
17.7323

■ 22.5010, 32.0230,
21.5198

■ 25.3838, 33.4155,
25.8829

■ 28.7825, 35.0613,
30.8440

■ 32.7210, 36.9722,
36.4248

Harmonies

Analogous

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



20.7188, 28.1452, 2.2129



14.3525, 28.1452, 6.5098



11.6054, 28.1452, 21.2414

Triad

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



14.3525, 28.1452, 6.5098



23.2265, 28.1452, 127.2871



50.1982, 28.1452, 15.4487

Complementary

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



14.3525, 28.1452, 6.5098



20.1785, 9.9370, 21.9744

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.



51.3735, 28.1452, 42.4814



14.3525, 28.1452, 6.5098



33.8536, 28.1452, 121.6981

Square

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



14.3525, 28.1452, 6.5098



15.7802, 28.1452, 97.0620



44.7884, 28.1452, 84.6922



41.8998, 28.1452, 4.5994

Rectangle

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



14.3525, 28.1452, 6.5098



11.5557, 28.1452, 40.7546



44.7884, 28.1452, 84.6922



51.5076, 28.1452, 22.3635

Sweetspot

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



14.3532, 28.1464, 6.5104



45.7476, 60.4835, 46.5006



23.4570, 32.8800, 5.1103



9.4918, 12.9512, 9.4167



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.



14.3532, 28.1464, 6.5104



25.9771, 51.0466, 11.4570



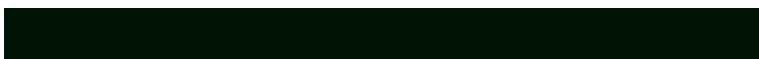
17.4179, 29.3723, 22.6493



7.5037, 8.4345, 8.3725



10.8551, 21.2608, 5.0041



0.2826, 0.5247, 0.2189

Inverse Universe

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



20.1785, 9.9370, 21.9744



36.5306, 17.9974, 39.4276



16.6745, 8.5354, 3.5223



7.7682, 7.6371, 9.0966



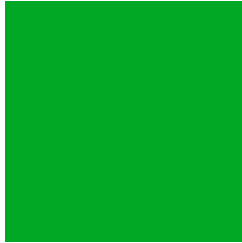
15.2574, 7.5117, 16.6986



0.3886, 0.1897, 0.4980

Previews

White Background



This preview shows how the XYZ color 14.3525, 28.1452, 6.5098 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 14.3525, 28.1452, 6.5098 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 14.3525, 28.1452, 6.5098

Background



This preview shows how black text looks on a background with the XYZ color 14.3525, 28.1452, 6.5098.



This preview shows how white text looks on a background with the XYZ color 14.3525, 28.1452,

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

14.3525, 28.1452, 6.5098

Protanopia

25.1343, 27.7322, 5.3946

Deuteranopia

28.1559, 27.7230, 7.1159



Tritanopia

21.6726, 28.2437, 41.8454

Trichromacy



Original Color

14.3525, 28.1452, 6.5098



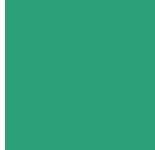
Protanomaly

17.2735, 25.7815, 5.5793



Deuteranomaly

18.0424, 24.9625, 6.5566



Tritanomaly

17.2348, 27.4057, 22.4706

Monochromacy



Original Color

14.3525, 28.1452, 6.5098



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 14.3525, 28.1452, 6.5098 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 38) }
```

Border

The CSS property to change the border of an element to XYZ 14.3525, 28.1452, 6.5098 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, 38) }
```


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

```
.border{ border-color:rgb(0, 168, 38) }
```

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, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 38);  
box-shadow:4px 4px 4px 4px rgb(0, 168, 38)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.3525, 28.1452, 6.5098 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, 38) }
```

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

```
.background{ background-color: rgb(0, 168,  
38) }
```

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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