

Converting Colors

XYZ(16.0543, 29.1187, 5.1675)

Have a look what the booklet for
XYZ(16.0543, 29.1187, 5.1675)
contains.

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Color

**XYZ(15.9997, 29.0264,
5.1402)**

Conversions

Conversions Part 1

Format	Color
Hex	3DA80D
RGB	61, 168, 13
RGB Percent	24%, 66%, 5%
CMY	0.7608, 0.3412, 0.9490
CMYK	0.64, 0.00, 0.92, 0.34
HSL	101°, 86%, 35%
HSV	101°, 92%, 66%
XYZ	15.9997, 29.0264, 5.1402
YIQ	118.3370, -14.0170, -70.8890

Conversions

Conversions Part 2

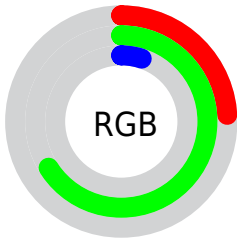
Format	Color
RYB	13, 168, 120
Decimal	4040717
CIELab	60.80, -54.98, 60.14
CIELCh	61, 81.483, 132.434
Yxy	29.0264, 0.3189, 0.5786
Android (android.graphics.Color)	4282230797 (0xFF3DA80D)
YUV	118.3370, -51.9311, -50.2845
Hunter-Lab	53.8762, -41.2738, 32.0566

Details

The XYZ color **15.9997, 29.0264, 5.1402** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **14.9606, 7.1099, 37.6312**, and the grayscale version is **17.4879, 18.3987, 20.0362**.

A 20% lighter version of the original color is **36.0568, 57.9989, 16.5023**, and **6.1307, 12.2615, 2.0436** is the 20% darker color. If you saturate the color by 10%, you get **15.4201, 28.7369, 4.7341**, and if you desaturate by 10%, it is **16.9525, 29.5001, 6.0165**.

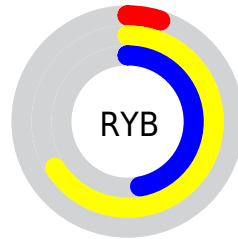
Distribution



Red (24%)

Green (66%)

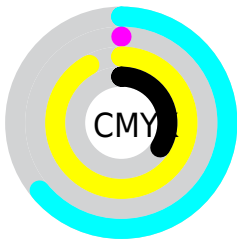
Blue (5%)



Red (5%)

Yellow (66%)

Blue (47%)

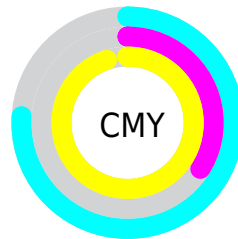


Cyan (64%)

Magenta (0%)

Yellow (92%)

Black (34%)



Cyan (76%)


Magenta (34%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9997, 29.0264, 5.1402 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 15.9997, 29.0264, 5.1402 by changing the saturation by 10% instead.


 15.9997, 29.0264,
5.1402

 15.9997, 29.0264,
5.1402


222.6104,
297.3395, 160.1620


 9.6148, 19.1008,
2.2696


 36.1551, 58.1190,
16.5641


 5.2046, 11.7431,
0.7141


 50.6564, 78.0548,
25.9544


 2.4038, 6.5690,
0.0000


 68.5937, 102.0962,
38.3550

 0.8470, 3.1941,
0.0000

 90.3326, 130.6274,
54.1846

 0.0000, 1.2339,
0.0000

 116.2384,
164.0330, 73.8615

 0.0000, 0.0891,
0.0000

 146.6764,

 0.0000, 0.0000,

202.6973, 97.8043

0.0000

182.0119,
247.0046, 126.4316

15.9997, 29.0264,
5.1402

15.9997, 29.0264,
5.1402

15.4201, 28.7369,
4.7341

16.9525, 29.5001,
6.0165

18.1824, 30.1025,
7.5009

19.7145, 30.8457,
9.6785

21.5702, 31.7392,
12.6207

23.7685, 32.7913,
16.3898

■ 26.3271, 34.0100,
21.0419

■ 29.2623, 35.4025,
26.6279

■ 32.5891, 36.9757,
33.1951

■ 36.3219, 38.7358,
40.7874

Harmonies

Analogous

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



23.4308, 29.0264, 2.0091



15.9997, 29.0264, 5.1402



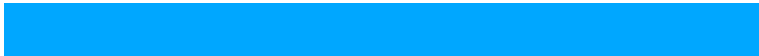
12.3681, 29.0264, 17.0645

Triad

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



15.9997, 29.0264, 5.1402



21.8860, 29.0264, 126.2369



52.6470, 29.0264, 20.6337

Complementary

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



15.9997, 29.0264, 5.1402



14.9606, 7.1099, 37.6312

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.



51.9240, 29.0264, 52.6850



15.9997, 29.0264, 5.1402



32.2116, 29.0264, 129.6712

Square

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



15.9997, 29.0264, 5.1402



15.1194, 29.0264, 89.5770



43.7433, 29.0264, 97.1803



45.5206, 29.0264, 6.3212

Rectangle

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



15.9997, 29.0264, 5.1402



11.8304, 29.0264, 34.1479



43.7433, 29.0264, 97.1803



53.3570, 29.0264, 29.1912

Sweetspot

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



16.0004, 29.0276, 5.1408



49.6827, 62.6209, 41.7693



22.8096, 21.5297, 3.3347



10.3682, 13.4299, 8.2400



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.



16.0004, 29.0276, 5.1408



27.7864, 52.0449, 8.5812



14.5772, 28.2553, 6.8228



7.6471, 8.5162, 8.0300



11.6915, 21.7244, 3.5770



0.3363, 0.5553, 0.0895

Inverse Universe

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



14.9606, 7.1099, 37.6312



25.6635, 11.7484, 68.1401



20.9966, 10.4947, 25.5713



7.6125, 7.5484, 9.4741



10.8294, 4.9662, 28.3633



0.3123, 0.1460, 0.6924

Previews

White Background



This preview shows how the XYZ color 15.9997, 29.0264, 5.1402 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

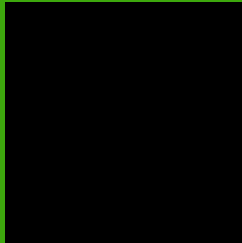
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.9997, 29.0264, 5.1402

Background



This preview shows how black text looks on a background with the XYZ color 15.9997, 29.0264, 5.1402.



This preview shows how white text looks on a background with the XYZ color 15.9997, 29.0264,

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

15.9997, 29.0264, 5.1402

Protanopia

25.5887, 28.4503, 4.1428

Deuteranopia

28.9508, 28.3778, 5.7019



Tritanopia

23.2663, 28.8152, 41.8717

Trichromacy



Original Color

15.9997, 29.0264, 5.1402

Protanomaly

20.3354, 27.6342, 4.4057

Deuteranomaly

21.6045, 27.0677, 5.1845

Tritanomaly

18.7199, 27.9737, 19.7421

Monochromacy



Original Color

15.9997, 29.0264, 5.1402

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

15.1819, 20.7289, 10.7903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9997, 29.0264, 5.1402 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(61, 168, 13)` looks like.

```
.text, #text, p{  
    color:rgb(61, 168, 13)  
}
```

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(61, 168, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 168, 13) }
```

Border

The CSS property to change the border of an element to XYZ 15.9997, 29.0264, 5.1402 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(61, 168, 13) }
```


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

```
.border{ border-color:rgb(61, 168, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 168, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 168, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 168, 13);  
box-shadow:4px 4px 4px 4px rgb(61, 168,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9997, 29.0264, 5.1402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 168, 13) }
```

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

```
.background{ background-color: rgb(61, 168,  
13) }
```

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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