

Converting Colors

XYZ(14.3286, 28.0353, 5.4641)

Have a look what the booklet for
XYZ(14.3286, 28.0353, 5.4641)
contains.

XYZ(14.4067, 28.1957, 5.4936)	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(14.4067, 28.1957,
5.4936)**

Conversions

Conversions Part 1

Format	Color
Hex	12A817
RGB	18, 168, 23
RGB Percent	7%, 66%, 9%
CMY	0.9294, 0.3412, 0.9098
CMYK	0.89, 0.00, 0.86, 0.34
HSL	122°, 81%, 36%
HSV	122°, 89%, 66%
XYZ	14.4067, 28.1957, 5.4936
YIQ	106.6200, -42.8550, -76.8950

Conversions

Conversions Part 2

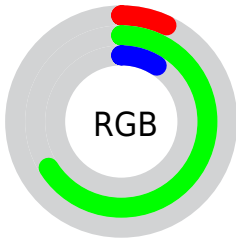
Format	Color
R_{YB}	18, 163, 168
Decimal	1222679
CIE _{Lab}	60.07, -61.28, 57.24
CIE _{LCh}	60, 83.855, 136.949
Yxy	28.1957, 0.2995, 0.5862
Android (android.graphics.Color)	4279412759 (0xFF12A817)
YUV	106.6200, -41.2247, -77.7197
Hunter-Lab	53.0996, -44.4947, 31.0357

Details

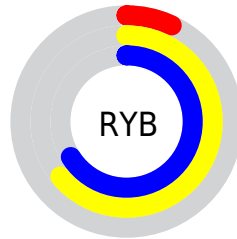
The XYZ color **14.4067, 28.1957, 5.4936** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **22.9756, 11.4018, 35.6370**, and the grayscale version is **13.9894, 14.7180, 16.0279**.

A 20% lighter version of the original color is **33.2540, 56.5325, 17.3428**, and **6.0173, 12.0346, 2.0058** is the 20% darker color. If you saturate the color by 10%, you get **14.0553, 28.0290, 4.8637**, and if you desaturate by 10%, it is **15.0598, 28.5083, 6.6499**.

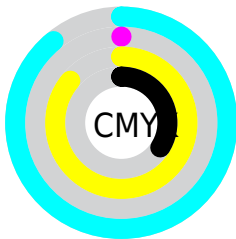
Distribution



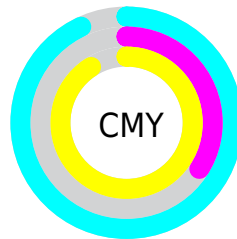
- Red (7%)
- Green (66%)
- Blue (9%)



- Red (7%)
- Yellow (64%)
- Blue (66%)



- Cyan (89%)
- Magenta (0%)
- Yellow (86%)
- Black (34%)



- Cyan (93%)
- Magenta (34%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4067, 28.1957, 5.4936 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 14.4067, 28.1957, 5.4936 by changing the saturation by 10% instead.

■ 14.4067, 28.1957,
5.4936

■ 14.4067, 28.1957,
5.4936

213.2068,
293.4009, 163.6085

■ 8.4877, 18.4732,
2.4759

■ 33.3892, 56.7967,
17.3295

■ 4.4630, 11.2903,
0.8274

■ 47.1834, 76.4441,
26.9849

■ 1.9672, 6.2624,
0.0000

■ 64.3333, 100.1685,
39.6899

■ 0.6155, 3.0053,
0.0000

■ 85.2044, 128.3545,
55.8631

■ 0.0000, 1.1345,
0.0000

■ 110.1619,
161.3863, 75.9230

■ 0.0000, 0.0072,
0.0000

■ 139.5712,

■ 0.0000, 0.0000,

199.6483, 100.2882

0.0000

173.7978,
243.5251, 129.3771

■ 14.4067, 28.1957,
5.4936

■ 14.4067, 28.1957,
5.4936

■ 14.0553, 28.0290,
4.8637

■ 15.0598, 28.5083,
6.6499

■ 14.0339, 28.0187,
4.8296

■ 16.1001, 29.0064,
8.4261

■ 17.5758, 29.7141,
10.8931

■ 19.5277, 30.6510,
14.1120

■ 21.9918, 31.8348,
18.1368

■ 25.0007, 33.2811,
23.0170

■ 28.5844, 35.0043,
28.7977

■ 32.7706, 37.0179,
35.5212

■ 37.5852, 39.3343,
43.2268

Harmonies

Analogous

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



21.2408, 28.1957, 1.7985



14.4067, 28.1957, 5.4936



11.3443, 28.1957, 19.2295

Triad

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



14.4067, 28.1957, 5.4936



22.4187, 28.1957, 131.2202



51.6729, 28.1957, 16.5344

Complementary

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



14.4067, 28.1957, 5.4936



22.9756, 11.4018, 35.6370

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.



52.2356, 28.1957, 46.0116



14.4067, 28.1957, 5.4936



33.2514, 28.1957, 128.5092

Square

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



14.4067, 28.1957, 5.4936



15.0704, 28.1957, 96.9705



44.8080, 28.1957, 91.0012



43.4295, 28.1957, 4.6425

Rectangle

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



14.4067, 28.1957, 5.4936



11.1314, 28.1957, 38.3899



44.8080, 28.1957, 91.0012



52.8310, 28.1957, 24.1129

Sweetspot

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



14.4074, 28.1969, 5.4942



46.4524, 60.9135, 43.5226



29.2172, 35.8369, 5.9495



9.7010, 13.0728, 8.8011



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.



14.4074, 28.1969, 5.4942



25.4500, 50.8358, 8.6813



16.4573, 29.0168, 16.2889



7.4465, 8.4117, 8.0715



10.6013, 21.1593, 3.6672



0.2610, 0.5160, 0.1054

Inverse Universe

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



22.9756, 11.4018, 35.6370



41.1844, 19.8589, 63.9340



18.1269, 9.4623, 10.1037



7.8309, 7.6622, 9.4268



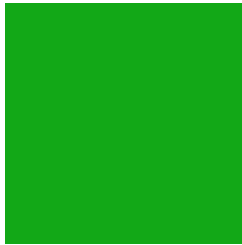
17.1496, 8.2686, 26.6631



0.4205, 0.2025, 0.6657

Previews

White Background



This preview shows how the XYZ color 14.4067, 28.1957, 5.4936 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 14.4067, 28.1957, 5.4936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

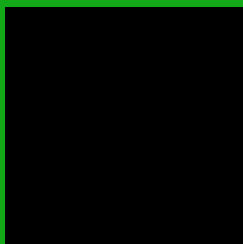
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.4067, 28.1957, 5.4936

Background



This preview shows how black text looks on a background with the XYZ color 14.4067, 28.1957, 5.4936.



This preview shows how white text looks on a background with the XYZ color 14.4067, 28.1957,

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

14.4067, 28.1957, 5.4936

Protanopia

24.9598, 27.6624, 4.4758

Deuteranopia

28.0445, 27.4788, 6.0163



Tritanopia

21.7224, 28.0192, 41.7995

Trichromacy



Original Color

14.4067, 28.1957, 5.4936



Protanomaly

17.9308, 26.1411, 4.6730



Deuteranomaly

18.7784, 25.3661, 5.4965



Tritanomaly

17.1394, 27.1326, 20.8568

Monochromacy



Original Color

14.4067, 28.1957, 5.4936



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.0564, 17.7182, 9.6220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4067, 28.1957, 5.4936 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(18, 168, 23)` looks like.

```
.text, #text, p{  
    color:rgb(18, 168, 23)  
}
```

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(18, 168, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 168, 23) }
```

Border

The CSS property to change the border of an element to XYZ 14.4067, 28.1957, 5.4936 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(18, 168, 23) }
```


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

```
.border{ border-color:rgb(18, 168, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 168, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 168, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 168, 23);  
box-shadow:4px 4px 4px 4px rgb(18, 168,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4067, 28.1957, 5.4936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 168, 23) }
```

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

```
.background{ background-color: rgb(18, 168,  
23) }
```

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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