

Converting Colors

XYZ(15.6609, 28.9425, 4.7610)

Have a look what the booklet for
XYZ(15.6609, 28.9425, 4.7610)
contains.

XYZ(15.5782, 28.8175, 4.7413)	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(15.5782, 28.8175,
4.7413)**

Conversions

Conversions Part 1

Format	Color
Hex	37A800
RGB	55, 168, 0
RGB Percent	22%, 66%, 0%
CMY	0.7843, 0.3412, 0.9999
CMYK	0.67, 0.00, 1.00, 0.34
HSL	100°, 100%, 33%
HSV	100°, 100%, 66%
XYZ	15.5782, 28.8175, 4.7413
YIQ	115.0610, -13.4200, -76.2040

Conversions

Conversions Part 2

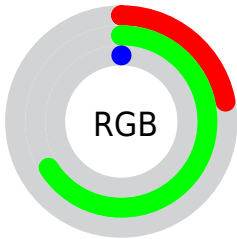
Format	Color
RYB	0, 168, 113
Decimal	3647488
CIELab	60.62, -56.63, 61.74
CIELCh	61, 83.779, 132.528
Yxy	28.8175, 0.3170, 0.5865
Android (android.graphics.Color)	4281837568 (0xFF37A800)
YUV	115.0610, -56.7251, -52.6735
Hunter-Lab	53.6819, -42.1437, 32.3407

Details

The XYZ color **15.5782, 28.8175, 4.7413** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **13.8809, 6.3396, 37.5394**, and the grayscale version is **16.4852, 17.3437, 18.8873**.

A 20% lighter version of the original color is **35.3629, 57.6573, 15.7437**, and **6.1307, 12.2615, 2.0436** is the 20% darker color. If you saturate the color by 10%, you get **15.5782, 28.8184, 4.7414**, and if you desaturate by 10%, it is **16.3701, 29.2151, 5.2991**.

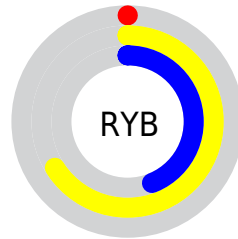
Distribution



Red (22%)

Green (66%)

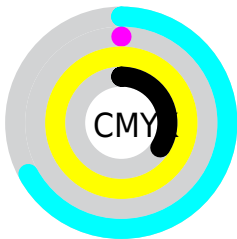
Blue (0%)



Red (0%)

Yellow (66%)

Blue (44%)

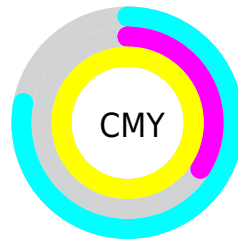


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (78%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.5782, 28.8175, 4.7413 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 15.5782, 28.8175, 4.7413 by changing the saturation by 10% instead.


 15.5782, 28.8175,
4.7413


 15.5782, 28.8175,
4.7413


220.1594,
296.3529, 156.1394


 9.3151, 18.9428,
2.0402


 35.4278, 57.7870,
15.6862


 5.0060, 11.6290,
0.5798


 49.7450, 77.6506,
24.7672


 2.2856, 6.4916,
0.0000


 67.4776, 101.6126,
36.8118

 0.7873, 3.1462,
0.0000

 88.9910, 130.0575,
52.2387

 0.0000, 1.2085,
0.0000

 114.6505,
163.3695, 71.4664

 0.0000, 0.0687,
0.0000


 144.8215,


 0.0000, 0.0000,


201.9332, 94.9133


0.0000


 179.8694,
246.1328, 122.9982


 15.5782, 28.8175,
4.7413


 15.5782, 28.8175,
4.7413

 15.5782, 28.8184,
4.7414

 16.3701, 29.2151,
5.2991

 17.3959, 29.7227,
6.3048

 18.6986, 30.3595,
7.9395

 20.3012, 31.1354,
10.2842

 22.2237, 32.0593,
13.4079

■ 24.4843, 33.1393,
17.3713

■ 27.0996, 34.3828,
22.2291

■ 30.0852, 35.7966,
28.0314

■ 33.4556, 37.3872,
34.8247

Harmonies

Analogous

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



23.1130, 28.8175, 1.7341



15.5782, 28.8175, 4.7413



11.9303, 28.8175, 16.6497

Triad

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



15.5782, 28.8175, 4.7413



21.5962, 28.8175, 129.7135



53.1936, 28.8175, 20.1280

Complementary

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



15.5782, 28.8175, 4.7413



13.8809, 6.3396, 37.5394

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.



52.4723, 28.8175, 52.9310



15.5782, 28.8175, 4.7413



32.1649, 28.8175, 133.1775

Square

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



15.5782, 28.8175, 4.7413



14.7215, 28.8175, 91.4997



44.0342, 28.8175, 99.1365



45.8025, 28.8175, 5.8514

Rectangle

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



15.5782, 28.8175, 4.7413



11.3974, 28.8175, 34.0844



44.0342, 28.8175, 99.1365



53.9380, 28.8175, 28.8176

Sweetspot

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



15.5789, 28.8187, 4.7419



48.8909, 62.2555, 39.7980



21.9442, 19.9152, 2.6879



10.2251, 13.3643, 7.8642



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.



15.5789, 28.8187, 4.7419



28.0659, 52.1890, 8.5943



14.2132, 28.0905, 5.7724



7.6594, 8.5225, 8.0306



11.8125, 21.7868, 3.5827



0.3409, 0.5576, 0.0897

Inverse Universe

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



13.8809, 6.3396, 37.5394



24.9520, 11.3816, 68.1068



20.8833, 10.2191, 25.6848



7.5997, 7.5418, 9.4735



10.5368, 4.8153, 28.3496



0.3067, 0.1431, 0.6921

Previews

White Background



This preview shows how the XYZ color 15.5782, 28.8175, 4.7413 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 15.5782, 28.8175, 4.7413 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 15.5782, 28.8175, 4.7413

Background



This preview shows how black text looks on a background with the XYZ color 15.5782, 28.8175, 4.7413.



This preview shows how white text looks on a background with the XYZ color 15.5782, 28.8175,

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

15.5782, 28.8175, 4.7413

Protanopia

25.5887, 28.4503, 4.1428

Deuteranopia

28.9354, 28.3716, 5.6203



Tritanopia

22.9804, 28.6677, 41.8584

Trichromacy



Original Color

15.5782, 28.8175, 4.7413



Protanomaly

19.8678, 27.3963, 4.2409



Deuteranomaly

21.0554, 26.7910, 4.8721



Tritanomaly

18.1792, 27.7202, 18.5797

Monochromacy



Original Color

15.5782, 28.8175, 4.7413



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.2419, 19.8584, 9.3858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5782, 28.8175, 4.7413 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(55, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(55, 168, 0)  
}
```

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(55, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 168, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.5782, 28.8175, 4.7413 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(55, 168, 0) }
```


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

```
.border{ border-color:rgb(55, 168, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 168, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(55, 168, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.5782, 28.8175, 4.7413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 168, 0) }
```

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

```
.background{ background-color: rgb(55, 168,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor