

Converting Colors

XYZ(15.6890, 29.3815, 10.8345)

Have a look what the booklet for
XYZ(15.6890, 29.3815, 10.8345)
contains.

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Color

**XYZ(15.6247, 29.2625,
10.7859)**

Conversions

Conversions Part 1

Format	Color
Hex	09AA47
RGB	9, 170, 71
RGB Percent	4%, 67%, 28%
CMY	0.9647, 0.3333, 0.7216
CMYK	0.95, 0.00, 0.58, 0.33
HSL	143°, 90%, 35%
HSV	143°, 95%, 67%
XYZ	15.6247, 29.2625, 10.7859
YIQ	110.5750, -64.1770, -64.9210

Conversions

Conversions Part 2

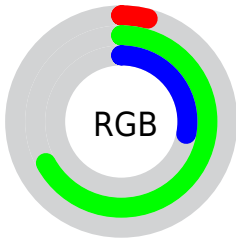
Format	Color
R_{YB}	9, 125, 170
Decimal	633415
CIE _{Lab}	61.01, -58.05, 40.24
CIE _{LCh}	61, 70.633, 145.270
Yxy	29.2625, 0.2807, 0.5256
Android (android.graphics.Color)	4278823495 (0xFF09AA47)
YUV	110.5750, -19.5105, -89.0813
Hunter-Lab	54.0948, -43.1082, 26.0446

Details

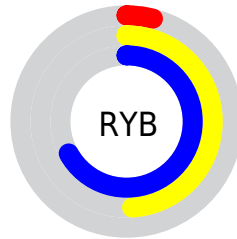
The XYZ color **15.6247, 29.2625, 10.7859** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **19.3829, 9.8246, 15.0629**, and the grayscale version is **15.0550, 15.8390, 17.2487**.

A 20% lighter version of the original color is **35.5980, 58.7230, 27.8708**, and **6.3629, 12.5378, 2.7008** is the 20% darker color. If you saturate the color by 10%, you get **15.3430, 29.1377, 9.8877**, and if you desaturate by 10%, it is **16.3038, 29.5712, 12.7231**.

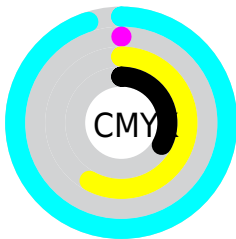
Distribution



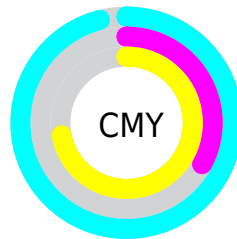
- Red (4%)
- Green (67%)
- Blue (28%)



- Red (4%)
- Yellow (49%)
- Blue (67%)



- Cyan (95%)
- Magenta (0%)
- Yellow (58%)
- Black (33%)




- Cyan (96%)
- Magenta (33%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6247, 29.2625, 10.7859 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 15.6247, 29.2625, 10.7859 by changing the saturation by 10% instead.


 15.6247, 29.2625,
10.7859


 15.6247, 29.2625,
10.7859


220.4310,
298.4515, 206.8772


 9.3481, 19.2795,
5.8107


 35.5082, 58.4939,
27.8941


 5.0279, 11.8724,
2.6634


 49.8458, 78.5111,
40.8643


 2.2985, 6.6569,
0.9249


 67.6011, 102.6417,
57.3365

 0.7939, 3.2484,
0.0000

 89.1395, 131.2703,
77.7293

 0.0000, 1.2628,
0.0000

 114.8263,
164.7812, 102.4612

 0.0000, 0.1121,
0.0000

 145.0270,

 0.0000, 0.0000,

203.5587, 131.9508

0.0000

180.1068,
247.9874, 166.6166

■ 15.6247, 29.2625,
10.7859

■ 15.6247, 29.2625,
10.7859

■ 15.3430, 29.1377,
9.8877

■ 16.3038, 29.5712,
12.7231

■ 17.2995, 30.0354,
14.9902

■ 18.6553, 30.6779,
17.6032

■ 20.4065, 31.5167,
20.5766

■ 22.5839, 32.5674,
23.9236

■ 25.2152, 33.8439,
27.6571

■ 28.3257, 35.3592,
31.7889

■ 31.9387, 37.1250,
36.3308

■ 36.0759, 39.1523,
41.2936

Harmonies

Analogous

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



20.9017, 29.2625, 4.4530



15.6247, 29.2625, 10.7859



13.6061, 29.2625, 27.8501

Triad

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



15.6247, 29.2625, 10.7859



26.3746, 29.2625, 114.1476



47.1561, 29.2625, 14.7120

Complementary

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



15.6247, 29.2625, 10.7859



19.3829, 9.8246, 15.0629

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.



49.5244, 29.2625, 36.2415



15.6247, 29.2625, 10.7859



36.1014, 29.2625, 103.5096

Square

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



15.6247, 29.2625, 10.7859



18.8749, 29.2625, 94.5819



45.1048, 29.2625, 70.4962



39.2037, 29.2625, 5.6803

Rectangle

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



15.6247, 29.2625, 10.7859



13.9608, 29.2625, 47.2170



45.1048, 29.2625, 70.4962



48.6970, 29.2625, 20.2590

Sweetspot

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



15.6254, 29.2637, 10.7866



49.1405, 63.0551, 54.7379



20.6438, 31.9765, 5.3425



10.4367, 13.8074, 11.5096



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.6254, 29.2637, 10.7866



27.7384, 52.8257, 17.4192



20.0918, 31.0502, 34.3061



7.5519, 8.4538, 8.6262



11.3116, 21.4434, 7.4079



0.3003, 0.5318, 0.3124

Inverse Universe

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



19.3829, 9.8246, 15.0629



34.5519, 17.2954, 24.9655



16.8830, 8.8246, 1.8987



7.7176, 7.6169, 8.8302



14.0806, 7.0410, 10.5019



0.3664, 0.1808, 0.3811

Previews

White Background



This preview shows how the XYZ color 15.6247, 29.2625, 10.7859 looks on a white background.

Color Contrast Check

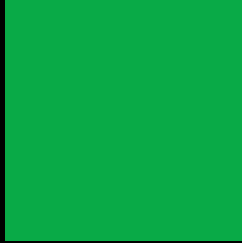
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6247, 29.2625, 10.7859 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 15.6247, 29.2625, 10.7859

Background



This preview shows how black text looks on a background with the XYZ color 15.6247, 29.2625, 10.7859.



This preview shows how white text looks on a background with the XYZ color 15.6247, 29.2625,

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

15.6247, 29.2625, 10.7859

Protanopia

26.1046, 28.6093, 8.9968

Deuteranopia

29.2710, 28.6281, 11.5725



Tritanopia

22.4011, 29.3491, 43.5140

Trichromacy



Original Color

15.6247, 29.2625, 10.7859



Protanomaly

18.6783, 26.9121, 9.5203



Deuteranomaly

19.5820, 26.1304, 11.0328



Tritanomaly

18.8209, 28.9045, 27.5088

Monochromacy



Original Color

15.6247, 29.2625, 10.7859



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.1866, 18.8029, 14.0006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6247, 29.2625, 10.7859 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(9, 170, 71)` looks like.

```
.text, #text, p{  
    color:rgb(9, 170, 71)  
}
```

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(9, 170, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 170, 71) }
```

Border

The CSS property to change the border of an element to XYZ 15.6247, 29.2625, 10.7859 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(9, 170, 71) }
```


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

```
.border{ border-color:rgb(9, 170, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 170, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 170, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 170, 71);  
box-shadow:4px 4px 4px 4px rgb(9, 170, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6247, 29.2625, 10.7859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 170, 71) }
```

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

```
.background{ background-color: rgb(9, 170,  
71) }
```

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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