

Converting Colors

XYZ(15.7316, 29.4166, 6.3622)

Have a look what the booklet for
XYZ(15.7316, 29.4166, 6.3622)
contains.

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Color

**XYZ(15.7456, 29.4228,
6.3627)**

Conversions

Conversions Part 1

Format	Color
Hex	2DAA22
RGB	45, 170, 34
RGB Percent	18%, 67%, 13%
CMY	0.8235, 0.3333, 0.8666
CMYK	0.74, 0.00, 0.80, 0.33
HSL	115°, 67%, 40%
HSV	115°, 80%, 67%
XYZ	15.7456, 29.4228, 6.3627
YIQ	117.1210, -30.8440, -68.7960

Conversions

Conversions Part 2

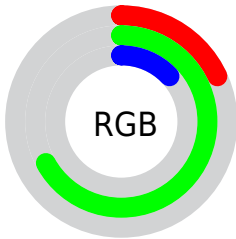
Format	Color
R_{YB}	34, 170, 159
Decimal	2992674
CIE _{Lab}	61.15, -57.95, 55.41
CIE _{LCh}	61, 80.178, 136.283
Yxy	29.4228, 0.3056, 0.5710
Android (android.graphics.Color)	4281182754 (0xFF2DAA22)
YUV	117.1210, -40.9787, -63.2501
Hunter-Lab	54.2428, -43.1099, 31.0152

Details

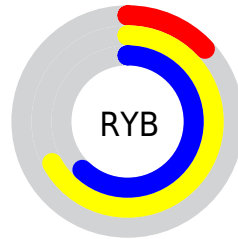
The XYZ color **15.7456, 29.4228, 6.3627** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **22.1284, 11.4188, 39.0695**, and the grayscale version is **17.0767, 17.9661, 19.5650**.

A 20% lighter version of the original color is **35.5974, 58.5104, 19.0903**, and **6.2454, 12.4908, 2.0818** is the 20% darker color. If you saturate the color by 10%, you get **14.9938, 29.0578, 5.3490**, and if you desaturate by 10%, it is **16.8745, 29.9700, 8.0282**.

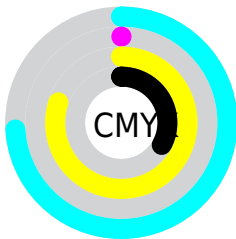
Distribution



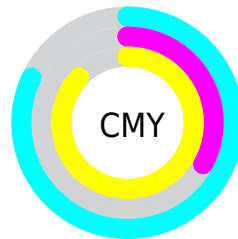
- Red (18%)
- Green (67%)
- Blue (13%)



- Red (13%)
- Yellow (67%)
- Blue (62%)



- Cyan (74%)
- Magenta (0%)
- Yellow (80%)
- Black (33%)





- Cyan (82%)
- Magenta (33%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7456, 29.4228, 6.3627 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 15.7456, 29.4228, 6.3627 by changing the saturation by 10% instead.


 15.7456, 29.4228,
6.3627


 15.7456, 29.4228,
6.3627


221.1359,
299.2046, 171.6828


 9.4340, 19.4009,
2.9945


 35.7170, 58.7482,
19.1697


 5.0847, 11.9603,
1.0918


 50.1076, 78.8204,
29.4456


 2.3323, 6.7167,
0.0000


 67.9218, 103.0116,
42.8612

 0.8111, 3.2855,
0.0000

 89.5251, 131.7060,
59.8349

 0.0000, 1.2826,
0.0000

 115.2828,
165.2881, 80.7854

 0.0000, 0.1276,
0.0000

 145.5602,

 0.0000, 0.0000,

204.1424, 106.1312

0.0000

180.7228,
248.6531, 136.2908

■ 15.7456, 29.4228,
6.3627

■ 15.7456, 29.4228,
6.3627

■ 14.9938, 29.0578,
5.3490

■ 16.8745, 29.9700,
8.0282

■ 14.5525, 28.8420,
4.8002

■ 18.4194, 30.7149,
10.4278

■ 14.5524, 28.8419,
4.8001

■ 20.4167, 31.6756,
13.6338

■ 22.8981, 32.8672,
17.7096

■ 25.8926, 34.3033,
22.7118

■ 29.4266, 35.9964,
28.6928

■ 33.5251, 37.9584,
35.7005

■ 38.2113, 40.2003,
43.7802

■ 43.5070, 42.7323,
52.9741

Harmonies

Analogous

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



22.6689, 29.4228, 2.3979



15.7456, 29.4228, 6.3627



12.5584, 29.4228, 20.1695

Triad

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



15.7456, 29.4228, 6.3627



23.4380, 29.4228, 127.6986



52.2214, 29.4228, 18.3845

Complementary

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



15.7456, 29.4228, 6.3627



22.1284, 11.4188, 39.0695

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.



52.5777, 29.4228, 47.8301



15.7456, 29.4228, 6.3627



34.0288, 29.4228, 126.0183

Square

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



15.7456, 29.4228, 6.3627



16.1863, 29.4228, 94.7938



45.2804, 29.4228, 91.0637



44.4031, 29.4228, 5.7586

Rectangle

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



15.7456, 29.4228, 6.3627



12.2932, 29.4228, 38.8033



45.2804, 29.4228, 91.0637



53.2745, 29.4228, 26.1059

Sweetspot

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



15.7463, 29.4240, 6.3634



50.4196, 63.8866, 47.0164



29.2086, 33.3449, 6.4106



10.7569, 14.0137, 9.6621



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.



15.7463, 29.4240, 6.3634



26.5583, 52.4031, 8.9699



16.9094, 29.8405, 14.6920



7.4909, 8.4356, 8.0227



10.7252, 21.2263, 3.5318



0.2779, 0.5252, 0.0867

Inverse Universe

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



22.1284, 11.4188, 39.0695



38.3374, 18.3859, 70.5301



20.1502, 10.8907, 16.7628



7.7812, 7.6353, 9.4820



15.4819, 7.3646, 28.5810



0.3936, 0.1879, 0.6962

Previews

White Background



This preview shows how the XYZ color 15.7456, 29.4228, 6.3627 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 15.7456, 29.4228, 6.3627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

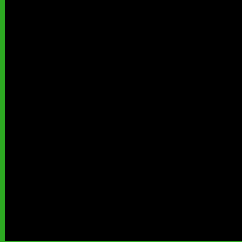
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.7456, 29.4228, 6.3627

Background



This preview shows how black text looks on a background with the XYZ color 15.7456, 29.4228, 6.3627.



This preview shows how white text looks on a background with the XYZ color 15.7456, 29.4228,

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

15.7456, 29.4228, 6.3627

Protanopia

26.1604, 28.9506, 5.3078

Deuteranopia

29.3154, 28.7543, 6.9108



Tritanopia

22.9709, 29.1433, 42.9426

Trichromacy



Original Color

15.7456, 29.4228, 6.3627



Protanomaly

19.8408, 27.6014, 5.5102



Deuteranomaly

21.0338, 26.9811, 6.4821



Tritanomaly

18.7554, 28.4501, 22.5921

Monochromacy



Original Color

15.7456, 29.4228, 6.3627



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.8388, 20.5206, 12.1956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7456, 29.4228, 6.3627 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(45, 170, 34)` looks like.

```
.text, #text, p{  
    color:rgb(45, 170, 34)  
}
```

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(45, 170, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 170, 34) }
```

Border

The CSS property to change the border of an element to XYZ 15.7456, 29.4228, 6.3627 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(45, 170, 34) }
```


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

```
.border{ border-color:rgb(45, 170, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 170, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 170, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 170, 34);  
box-shadow:4px 4px 4px 4px rgb(45, 170,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7456, 29.4228, 6.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 170, 34) }
```

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

```
.background{ background-color: rgb(45, 170,  
34) }
```

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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