

Converting Colors

XYZ(15.6404, 28.5123, 7.5860)

Have a look what the booklet for
XYZ(15.6404, 28.5123, 7.5860)
contains.

| | |
|--|----|
| XYZ(15.6397, 28.5122, 7.5848) | 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(15.6397, 28.5122,
7.5848)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | 31A731 |
| RGB | 49, 167, 49 |
| RGB Percent | 19%, 65%, 19% |
| CMY | 0.8078, 0.3451, 0.8078 |
| CMYK | 0.71, 0.00, 0.71, 0.35 |
| HSL | 120°, 55%, 42% |
| HSV | 120°, 71%, 65% |
| XYZ | 15.6397, 28.5122, 7.5848 |
| YIQ | 118.2660, -32.4500, -61.7140 |

Conversions

Conversions Part 2

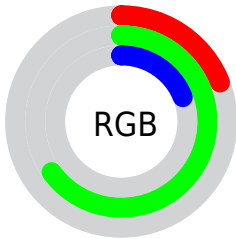
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 49, 167, 167 |
| Decimal | 3254065 |
| CIE Lab | 60.35, -55.10, 49.34 |
| CIE LCh | 60, 73.965, 138.155 |
| Yxy | 28.5122, 0.3023, 0.5511 |
| Android (android.graphics.Color) | 4281444145 (0xFF31A731) |
| YUV | 118.2660, -34.1481, -60.7463 |
| Hunter-Lab | 53.3968, -41.1625, 28.9559 |

Details

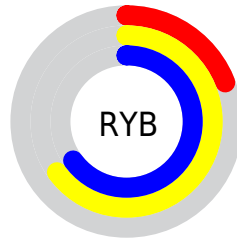
The XYZ color **15.6397, 28.5122, 7.5848** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **24.0103, 13.2024, 37.8416**, and the grayscale version is **17.4151, 18.3220, 19.9527**.

A 20% lighter version of the original color is **35.4680, 57.1794, 21.7377**, and **6.0173, 12.0346, 2.0058** is the 20% darker color. If you saturate the color by 10%, you get **14.6892, 28.0565, 6.0295**, and if you desaturate by 10%, it is **17.0206, 29.1764, 9.8431**.

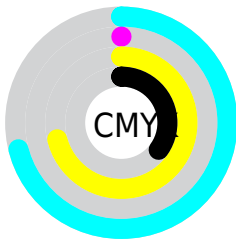
Distribution



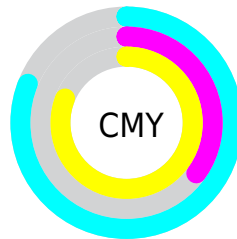
- Red (19%)
- Green (65%)
- Blue (19%)



- Red (19%)
- Yellow (65%)
- Blue (65%)



- Cyan (71%)
- Magenta (0%)
- Yellow (71%)
- Black (35%)





- Cyan (81%)
- Magenta (35%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6397, 28.5122, 7.5848 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 15.6397, 28.5122, 7.5848 by changing the saturation by 10% instead.


 15.6397, 28.5122,
7.5848


 15.6397, 28.5122,
7.5848


220.5186,
294.9064, 182.2494


 9.3588, 18.7121,
3.7465


 35.5341, 57.3012,
21.6729


 5.0349, 11.4624,
1.4873


 49.8783, 77.0588,
32.7599

 2.3027, 6.3788,
0.2085


 67.6409, 100.9045,
47.1001

 0.7961, 3.0767,
0.0000

 89.1874, 129.2225,
65.1121

 0.0000, 1.1719,
0.0000

 114.8830,
162.3973, 87.2145

 0.0000, 0.0386,
0.0000

 145.0932,

 0.0000, 0.0000,

200.8133, 113.8259

0.0000

180.1833,
244.8549, 145.3646

■ 15.6397, 28.5122,
7.5848

■ 15.6397, 28.5122,
7.5848

■ 14.6892, 28.0565,
6.0295

■ 17.0206, 29.1764,
9.8431

■ 14.1168, 27.7815,
5.0932

■ 18.8723, 30.0658,
12.8719

■ 13.8194, 27.6387,
4.6066

■ 21.2329, 31.1998,
16.7333

■ 24.1362, 32.5944,
21.4821

■ 27.6129, 34.2644,
27.1688

■ 31.6915, 36.2236,
33.8400

■ 36.3985, 38.4846,
41.5390

■ 41.7591, 41.0595,
50.3069

■ 47.7967, 43.9597,
60.1823

Harmonies

Analogous

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



21.7959, 28.5122, 3.1432



15.6397, 28.5122, 7.5848



12.8618, 28.5122, 21.4942

Triad

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



15.6397, 28.5122, 7.5848



23.5195, 28.5122, 115.5908



48.4352, 28.5122, 17.4274

Complementary

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



15.6397, 28.5122, 7.5848



24.0103, 13.2024, 37.8416

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.



49.2059, 28.5122, 43.0737



15.6397, 28.5122, 7.5848



33.2015, 28.5122, 112.0465

Square

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



15.6397, 28.5122, 7.5848



16.6463, 28.5122, 88.6242



43.1185, 28.5122, 80.6783



41.2092, 28.5122, 6.1018

Rectangle

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



15.6397, 28.5122, 7.5848



12.7379, 28.5122, 39.0753



43.1185, 28.5122, 80.6783



49.5106, 28.5122, 24.1978

Sweetspot

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



15.6404, 28.5134, 7.5854



48.9668, 61.1302, 47.8637



30.3107, 36.0763, 8.2715



10.5707, 13.4938, 10.0777



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.



15.6404, 28.5134, 7.5854



25.6280, 49.9194, 9.6885



17.7928, 29.3743, 18.9198



7.4368, 8.4078, 8.0202



10.5743, 21.1485, 3.5249



0.2573, 0.5145, 0.0858

Inverse Universe

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



24.0103, 13.2024, 37.8416



41.5625, 20.7707, 67.2893



19.7422, 11.4952, 15.3660



7.8419, 7.6666, 9.4848



17.5316, 8.4214, 28.6747



0.4265, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 15.6397, 28.5122, 7.5848 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 15.6397, 28.5122, 7.5848 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 15.6397, 28.5122, 7.5848

Background



This preview shows how black text looks on a background with the XYZ color 15.6397, 28.5122, 7.5848.



This preview shows how white text looks on a background with the XYZ color 15.6397, 28.5122,

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

15.6397, 28.5122, 7.5848

Protanopia

25.4617, 28.1066, 6.3686

Deuteranopia

28.3517, 27.8013, 8.1469



Tritanopia

22.5296, 28.4353, 41.8373

Trichromacy



Original Color

15.6397, 28.5122, 7.5848



Protanomaly

19.7500, 27.0369, 6.6603



Deuteranomaly

20.8194, 26.3709, 7.7342



Tritanomaly

18.7983, 27.9244, 23.8012

Monochromacy



Original Color

15.6397, 28.5122, 7.5848



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.2941, 20.7258, 13.5503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6397, 28.5122, 7.5848 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(49, 167, 49)` looks like.

```
.text, #text, p{  
    color:rgb(49, 167, 49)  
}
```

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(49, 167, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 167, 49) }
```

Border

The CSS property to change the border of an element to XYZ 15.6397, 28.5122, 7.5848 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(49, 167, 49) }
```


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

```
.border{ border-color:rgb(49, 167, 49) }
```

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

Here you see how a box with a 4 pixel rgb(49, 167, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 167, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 167, 49);  
box-shadow:4px 4px 4px 4px rgb(49, 167,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6397, 28.5122, 7.5848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 167, 49) }
```

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

```
.background{ background-color: rgb(49, 167,  
49) }
```

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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