

Converting Colors

XYZ(14.9685, 27.8769, 10.4022)

Have a look what the booklet for
XYZ(14.9685, 27.8769, 10.4022)
contains.

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Color

**XYZ(14.9387, 27.8162,
10.3761)**

Conversions

Conversions Part 1

Format	Color
Hex	0FA646
RGB	15, 166, 70
RGB Percent	6%, 65%, 27%
CMY	0.9412, 0.3490, 0.7255
CMYK	0.91, 0.00, 0.58, 0.35
HSL	142°, 83%, 35%
HSV	142°, 91%, 65%
XYZ	14.9387, 27.8162, 10.3761
YIQ	109.9070, -59.1800, -61.8680

Conversions

Conversions Part 2

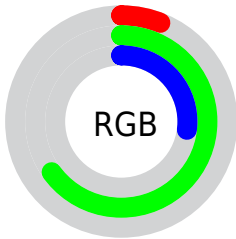
Format	Color
RYB	15, 126, 166
Decimal	1025606
CIELab	59.72, -56.56, 39.20
CIELCh	60, 68.815, 145.272
Yxy	27.8162, 0.2812, 0.5235
Android (android.graphics.Color)	4279215686 (0xFF0FA646)
YUV	109.9070, -19.6742, -83.2334
Hunter-Lab	52.7411, -41.7374, 25.2542

Details

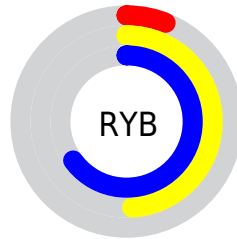
The XYZ color **14.9387, 27.8162, 10.3761** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **18.7667, 9.5968, 15.9027**, and the grayscale version is **14.8617, 15.6357, 17.0273**.

A 20% lighter version of the original color is **34.1886, 56.0027, 27.0968**, and **5.9117, 11.6354, 2.5504** is the 20% darker color. If you saturate the color by 10%, you get **14.4647, 27.6047, 8.9056**, and if you desaturate by 10%, it is **15.6888, 28.1617, 12.3066**.

Distribution



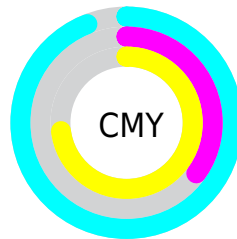
- Red (6%)
- Green (65%)
- Blue (27%)



- Red (6%)
- Yellow (49%)
- Blue (65%)



- Cyan (91%)
- Magenta (0%)
- Yellow (58%)
- Black (35%)





- Cyan (94%)
- Magenta (35%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.9387, 27.8162, 10.3761 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 14.9387, 27.8162, 10.3761 by changing the saturation by 10% instead.


 14.9387, 27.8162,
10.3761


 14.9387, 27.8162,
10.3761


216.3906,
291.5876, 203.9171


 8.8624, 18.1872,
5.5402


 34.3181, 56.1909,
27.1193


 4.7079, 11.0844,
2.5033


 48.3520, 75.7053,
39.8637


 2.1099, 6.1237,
0.8419

 65.7691, 99.2836,
56.0814

 0.6946, 2.9204,
0.0000

 86.9348, 127.3102,
76.1908

 0.0000, 1.0903,
0.0000

 112.2145,
160.1695, 100.6105

 0.0000, 0.0000,
0.0000

 141.9734,

198.2459, 129.7591

176.5770,
241.9238, 164.0551

■ 14.9387, 27.8162,
10.3761

■ 14.9387, 27.8162,
10.3761

■ 14.4647, 27.6047,
8.9056

■ 15.6888, 28.1617,
12.3066

■ 16.7584, 28.6641,
14.5720

■ 18.1853, 29.3433,
17.1886

■ 20.0015, 30.2154,
20.1709

■ 22.2350, 31.2947,
23.5326

■ 24.9111, 32.5940,
27.2867

■ 28.0533, 34.1250,
31.4454

■ 31.6830, 35.8987,
36.0205

■ 35.8205, 37.9253,
41.0233

Harmonies

Analogous

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



19.9227, 27.8162, 4.3415



14.9387, 27.8162, 10.3761



13.0293, 27.8162, 26.5083

Triad

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



14.9387, 27.8162, 10.3761



25.0838, 27.8162, 107.4789



44.6271, 27.8162, 14.0970

Complementary

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



14.9387, 27.8162, 10.3761



18.7667, 9.5968, 15.9027

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.



46.8513, 27.8162, 34.4090



14.9387, 27.8162, 10.3761



34.2394, 27.8162, 97.5188

Square

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



14.9387, 27.8162, 10.3761



18.0102, 27.8162, 89.1613



42.7012, 27.8162, 66.5835



37.1552, 27.8162, 5.5151

Rectangle

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



14.9387, 27.8162, 10.3761



13.3650, 27.8162, 44.7341



42.7012, 27.8162, 66.5835



46.0742, 27.8162, 19.3428

Sweetspot

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



14.9394, 27.8173, 10.3767



47.0856, 60.0658, 52.0490



20.5527, 30.8289, 5.3193



10.1401, 13.2485, 11.1131



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.



14.9394, 27.8173, 10.3767



26.1579, 50.0607, 15.6716



18.8185, 29.3690, 30.8039



7.5455, 8.4512, 8.5926



11.2371, 21.4136, 7.0152



0.2980, 0.5308, 0.3001

Inverse Universe

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



18.7667, 9.5968, 15.9027



33.1140, 16.5426, 25.4168



16.2416, 8.5867, 2.6058



7.7242, 7.6195, 8.8649



14.2163, 7.0952, 11.2166



0.3691, 0.1819, 0.3954

Previews

White Background



This preview shows how the XYZ color 14.9387, 27.8162, 10.3761 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 14.9387, 27.8162, 10.3761 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 14.9387, 27.8162, 10.3761

Background



This preview shows how black text looks on a background with the XYZ color 14.9387, 27.8162, 10.3761.



This preview shows how white text looks on a background with the XYZ color 14.9387, 27.8162,

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

14.9387, 27.8162, 10.3761

Protanopia

25.0177, 27.3747, 8.6679

Deuteranopia

27.8585, 27.2723, 11.0035



Tritanopia

21.2711, 27.7974, 41.2901

Trichromacy



Original Color

14.9387, 27.8162, 10.3761



Protanomaly

18.1134, 25.6524, 9.1510



Deuteranomaly

19.0398, 25.1573, 10.5090



Tritanomaly

17.9546, 27.4359, 26.1792

Monochromacy



Original Color

14.9387, 27.8162, 10.3761



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

12.9498, 18.2873, 13.6738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9387, 27.8162, 10.3761 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(15, 166, 70)` looks like.

```
.text, #text, p{  
    color:rgb(15, 166, 70)  
}
```

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(15, 166, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 166, 70) }
```

Border

The CSS property to change the border of an element to XYZ 14.9387, 27.8162, 10.3761 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(15, 166, 70) }
```


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

```
.border{ border-color:rgb(15, 166, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 166, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 166, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 166, 70);  
box-shadow:4px 4px 4px 4px rgb(15, 166,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9387, 27.8162, 10.3761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 166, 70) }
```

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

```
.background{ background-color: rgb(15, 166,  
70) }
```

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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