

Converting Colors

XYZ(14.5729, 27.0915, 10.2159)

Have a look what the booklet for
XYZ(14.5729, 27.0915, 10.2159)
contains.

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Color

**XYZ(14.5780, 27.0947,
10.2558)**

Conversions

Conversions Part 1

Format	Color
Hex	0FA446
RGB	15, 164, 70
RGB Percent	6%, 64%, 27%
CMY	0.9412, 0.3569, 0.7255
CMYK	0.91, 0.00, 0.57, 0.36
HSL	142°, 83%, 35%
HSV	142°, 91%, 64%
XYZ	14.5780, 27.0947, 10.2558
YIQ	108.7330, -58.6300, -60.8220

Conversions

Conversions Part 2

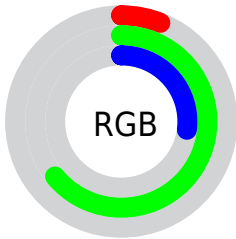
Format	Color
R_{YB}	15, 124, 164
Decimal	1025094
CIE _{Lab}	59.06, -55.90, 38.42
CIE _{LCh}	59, 67.829, 145.500
Yxy	27.0947, 0.2807, 0.5218
Android (android.graphics.Color)	4279215174 (0xFF0FA446)
YUV	108.7330, -19.0954, -82.2038
Hunter-Lab	52.0526, -41.1007, 24.7550

Details

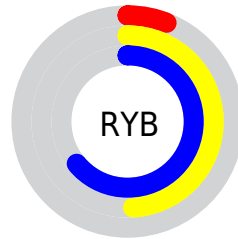
The XYZ color **14.5780, 27.0947, 10.2558** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **18.2420, 9.3389, 15.3111**, and the grayscale version is **14.5254, 15.2819, 16.6420**.

A 20% lighter version of the original color is **33.6605, 54.9466, 26.9208**, and **5.8020, 11.4159, 2.5138** is the 20% darker color. If you saturate the color by 10%, you get **14.1058, 26.8839, 8.7952**, and if you desaturate by 10%, it is **15.3143, 27.4340, 12.1454**.

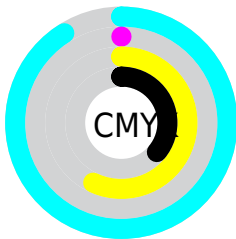
Distribution



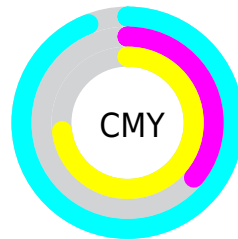
- Red (6%)
- Green (64%)
- Blue (27%)



- Red (6%)
- Yellow (49%)
- Blue (64%)



- Cyan (91%)
- Magenta (0%)
- Yellow (57%)
- Black (36%)



- Cyan (94%)
- Magenta (36%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5780, 27.0947, 10.2558 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 14.5780, 27.0947, 10.2558 by changing the saturation by 10% instead.

■ 14.5780, 27.0947,
10.2558

■ 14.5780, 27.0947,
10.2558

214.2370,
288.1153, 203.0388

■ 8.6081, 17.6444,
5.4611

■ 33.6889, 55.0358,
26.8908

■ 4.5415, 10.6950,
2.4568

■ 47.5607, 74.2953,
39.5682

■ 2.0128, 5.8621,
0.8171

■ 64.7971, 97.5934,
55.7103

■ 0.6412, 2.7614,
0.0000

■ 85.7636, 125.3144,
75.7355

■ 0.0000, 1.0085,
0.0000

■ 110.8255,
157.8427, 100.0624

■ 0.0000, 0.0000,
0.0000

■ 140.3481,

195.5627, 129.1096

174.6968,
238.8588, 163.2955

■ 14.5780, 27.0947,
10.2558

■ 14.5780, 27.0947,
10.2558

■ 14.1058, 26.8839,
8.7952

■ 15.3143, 27.4340,
12.1454

■ 16.3611, 27.9258,
14.3568

■ 17.7549, 28.5893,
16.9055

■ 19.5265, 29.4403,
19.8051

■ 21.7031, 30.4924,
23.0686

■ 24.3092, 31.7580,
26.7084

■ 27.3674, 33.2486,
30.7360

■ 30.8986, 34.9747,
35.1627

■ 34.9223, 36.9461,
39.9991

Harmonies

Analogous

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



19.3903, 27.0947, 4.3166



14.5780, 27.0947, 10.2558



12.7455, 27.0947, 26.0096

Triad

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



14.5780, 27.0947, 10.2558



24.5027, 27.0947, 104.1143



43.3123, 27.0947, 13.6989

Complementary

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



14.5780, 27.0947, 10.2558



18.2420, 9.3389, 15.3111

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.



45.5091, 27.0947, 33.2928



14.5780, 27.0947, 10.2558



33.3737, 27.0947, 94.2975

Square

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



14.5780, 27.0947, 10.2558



17.6250, 27.0947, 86.6185



41.5397, 27.0947, 64.3463



36.0591, 27.0947, 5.4081

Rectangle

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



14.5780, 27.0947, 10.2558



13.0858, 27.0947, 43.7147



41.5397, 27.0947, 64.3463



44.7257, 27.0947, 18.7607

Sweetspot

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



14.5787, 27.0958, 10.2564



45.8856, 58.5018, 50.8422



19.7147, 29.8613, 5.1769



9.6615, 12.6095, 10.6189



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



14.5787, 27.0958, 10.2564



25.5108, 48.7599, 15.4763



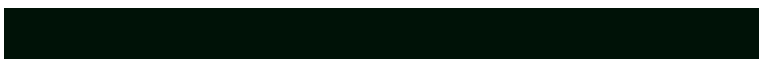
18.5176, 28.6714, 30.9985



7.0886, 7.9363, 8.0784



10.8366, 20.6210, 6.8562



0.2500, 0.4422, 0.2614

Inverse Universe

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



18.2420, 9.3389, 15.3111



32.1728, 16.0794, 24.3801



15.7828, 8.3552, 2.3611



7.2529, 7.1576, 8.3181



13.6575, 6.8191, 10.6529



0.3086, 0.1519, 0.3377

Previews

White Background



This preview shows how the XYZ color 14.5780, 27.0947, 10.2558 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 14.5780, 27.0947, 10.2558 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 14.5780, 27.0947, 10.2558

Background



This preview shows how black text looks on a background with the XYZ color 14.5780, 27.0947, 10.2558.



This preview shows how white text looks on a background with the XYZ color 14.5780, 27.0947,

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

14.5780, 27.0947, 10.2558

Protanopia

24.3267, 26.5767, 8.5503

Deuteranopia

27.0524, 26.6487, 10.9256



Tritanopia

20.6853, 27.0226, 40.2021

Trichromacy



Original Color

14.5780, 27.0947, 10.2558



Protanomaly

17.5565, 24.8915, 9.0335



Deuteranomaly

18.6191, 24.7106, 10.4449



Tritanomaly

17.4959, 26.6968, 25.7036

Monochromacy



Original Color

14.5780, 27.0947, 10.2558



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

12.8175, 18.0226, 13.6296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5780, 27.0947, 10.2558 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, 164, 70)` looks like.

```
.text, #text, p{  
    color:rgb(15, 164, 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, 164, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 164, 70) }
```

Border

The CSS property to change the border of an element to XYZ 14.5780, 27.0947, 10.2558 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, 164, 70) }
```


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

```
.border{ border-color:rgb(15, 164, 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, 164, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 164, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 164, 70);  
box-shadow:4px 4px 4px 4px rgb(15, 164,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5780, 27.0947, 10.2558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 164, 70) }
```

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

```
.background{ background-color: rgb(15, 164,  
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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