

Converting Colors

XYZ(15.9592, 27.0084, 5.9654)

Have a look what the booklet for
XYZ(15.9592, 27.0084, 5.9654)
contains.

XYZ(16.0287, 27.1476, 5.9853)	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(16.0287, 27.1476,
5.9853)**

Conversions

Conversions Part 1

Format	Color
Hex	4CA123
RGB	76, 161, 35
RGB Percent	30%, 63%, 14%
CMY	0.7020, 0.3686, 0.8627
CMYK	0.53, 0.00, 0.78, 0.37
HSL	100°, 64%, 38%
HSV	100°, 78%, 63%
XYZ	16.0287, 27.1476, 5.9853
YIQ	121.2210, -10.2140, -57.2060

Conversions

Conversions Part 2

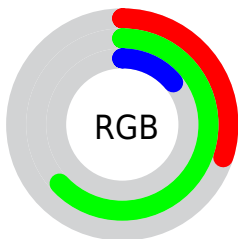
Format	Color
RYB	35, 161, 120
Decimal	5021987
CIELab	59.11, -47.51, 53.46
CIElCh	59, 71.518, 131.630
Yxy	27.1476, 0.3260, 0.5522
Android (android.graphics.Color)	4283212067 (0xFF4CA123)
YUV	121.2210, -42.5070, -39.6588
Hunter-Lab	52.1034, -36.2684, 29.6615

Details

The XYZ color **16.0287, 27.1476, 5.9853** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **14.7815, 7.7694, 34.4403**, and the grayscale version is **18.3819, 19.3392, 21.0604**.

A 20% lighter version of the original color is **36.3312, 55.3504, 18.4417**, and **5.3626, 10.7251, 1.7875** is the 20% darker color. If you saturate the color by 10%, you get **15.0513, 26.6661, 4.9656**, and if you desaturate by 10%, it is **17.2629, 27.7504, 7.5907**.

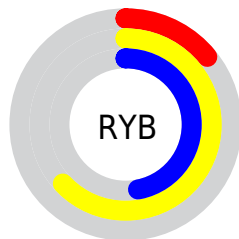
Distribution



Red (30%)

Green (63%)

Blue (14%)



Red (14%)

Yellow (63%)

Blue (47%)

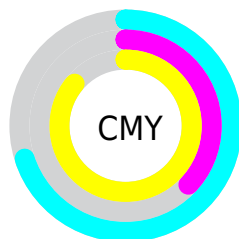


Cyan (53%)

Magenta (0%)

Yellow (78%)

Black (37%)



Cyan (70%)

Magenta (37%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0287, 27.1476, 5.9853 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 16.0287, 27.1476, 5.9853 by changing the saturation by 10% instead.

■ 16.0287, 27.1476,
5.9853

■ 16.0287, 27.1476,
5.9853

222.7781,
288.3711, 168.2414

■ 9.6354, 17.6841,
2.7675

■ 36.2051, 55.1206,
18.3775

■ 5.2183, 10.7234,
0.9772

■ 50.7189, 74.3989,
28.3890

■ 2.4120, 5.8812,
0.0000

■ 68.6703, 97.7177,
41.5022

■ 0.8511, 2.7730,
0.0000

■ 90.4246, 125.4612,
58.1355

■ 0.0000, 1.0144,
0.0000

■ 116.3471,
158.0139, 78.7075

■ 0.0000, 0.0000,
0.0000

■ 146.8033,

195.7602, 103.6368

182.1585,
239.0844, 133.3420

■ 16.0287, 27.1476,
5.9853

■ 16.0287, 27.1476,
5.9853

■ 15.0513, 26.6661,
4.9656

■ 17.2629, 27.7504,
7.5907

■ 14.2970, 26.2890,
4.4013

■ 18.7719, 28.4799,
9.8504

■ 14.1814, 26.2312,
4.3157

■ 20.5744, 29.3451,
12.8255

■ 22.6864, 30.3532,
16.5696

■ 25.1226, 31.5107,
21.1310

■ 27.8971, 32.8239,
26.5544

■ 31.0227, 34.2984,
32.8809

■ 34.5118, 35.9398,
40.1491

■ 38.3758, 37.7533,
48.3954

Harmonies

Analogous

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



22.5070, 27.1476, 2.8600



16.0287, 27.1476, 5.9853



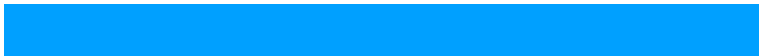
12.7390, 27.1476, 16.6557

Triad

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



16.0287, 27.1476, 5.9853



20.7804, 27.1476, 104.6514



46.4370, 27.1476, 20.7449

Complementary

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



16.0287, 27.1476, 5.9853



14.7815, 7.7694, 34.4403

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.



45.6715, 27.1476, 47.8348



16.0287, 27.1476, 5.9853



29.4060, 27.1476, 108.1511

Square

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



16.0287, 27.1476, 5.9853



15.0159, 27.1476, 75.4881



38.9114, 27.1476, 83.3525



40.8107, 27.1476, 7.5017

Rectangle

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



16.0287, 27.1476, 5.9853



12.2066, 27.1476, 30.9743



38.9114, 27.1476, 83.3525



46.9481, 27.1476, 28.1877

Sweetspot

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



16.0293, 27.1488, 5.9859



47.3115, 57.5300, 42.3323



21.5994, 20.8934, 4.4849



10.0135, 12.4455, 8.5807



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.0293, 27.1488, 5.9859



25.9148, 47.2348, 8.1170



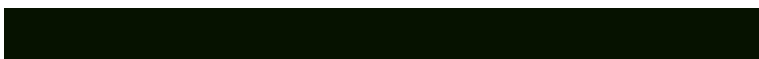
14.1527, 26.1339, 8.0404



7.1925, 8.0017, 7.5455



11.3647, 20.9692, 3.4485



0.2866, 0.4652, 0.0747

Inverse Universe

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



14.7815, 7.7694, 34.4403



23.3627, 10.9182, 61.2626



20.0337, 10.6733, 25.8166



7.1392, 7.0861, 8.8946



10.1813, 4.6551, 27.2917



0.2602, 0.1217, 0.5756

Previews

White Background



This preview shows how the XYZ color 16.0287, 27.1476, 5.9853 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 16.0287, 27.1476, 5.9853 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 16.0287, 27.1476, 5.9853

Background



This preview shows how black text looks on a background with the XYZ color 16.0287, 27.1476, 5.9853.



This preview shows how white text looks on a background with the XYZ color 16.0287, 27.1476,

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

16.0287, 27.1476, 5.9853

Protanopia

24.2054, 26.8107, 5.1275

Deuteranopia

27.1696, 26.6025, 6.3921



Tritanopia

22.4649, 27.0180, 38.2134

Trichromacy



Original Color

16.0287, 27.1476, 5.9853

Protanomaly

20.0614, 26.2663, 5.3791

Deuteranomaly

21.2245, 25.6964, 6.1267

Tritanomaly

18.9244, 26.5458, 20.6494

Monochromacy



Original Color

16.0287, 27.1476, 5.9853

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.4753, 21.3498, 12.9254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0287, 27.1476, 5.9853 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(76, 161, 35)` looks like.

```
.text, #text, p{  
    color:rgb(76, 161, 35)  
}
```

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(76, 161, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 161, 35) }
```

Border

The CSS property to change the border of an element to XYZ 16.0287, 27.1476, 5.9853 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(76, 161, 35) }
```


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

```
.border{ border-color:rgb(76, 161, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 161, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 161, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 161, 35);  
box-shadow:4px 4px 4px 4px rgb(76, 161,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0287, 27.1476, 5.9853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 161, 35) }
```

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

```
.background{ background-color: rgb(76, 161,  
35) }
```

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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