

Converting Colors

XYZ(16.3198, 26.9576, 12.0502)

Have a look what the booklet for
XYZ(16.3198, 26.9576, 12.0502)
contains.

XYZ(16.3028, 26.8939, 12.1164)	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(16.3028, 26.8939,
12.1164)**

Conversions

Conversions Part 1

Format	Color
Hex	42A051
RGB	66, 160, 81
RGB Percent	26%, 63%, 32%
CMY	0.7412, 0.3725, 0.6823
CMYK	0.59, 0.00, 0.49, 0.37
HSL	130°, 42%, 44%
HSV	130°, 59%, 63%
XYZ	16.3028, 26.8939, 12.1164
YIQ	122.8880, -30.6650, -44.4970

Conversions

Conversions Part 2

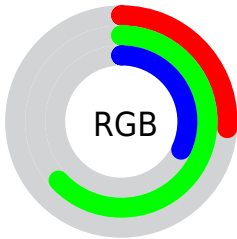
Format	Color
R _Y B	66, 147, 160
Decimal	4366417
CIE Lab	58.88, -44.93, 32.90
CIE LCh	59, 55.689, 143.790
Yxy	26.8939, 0.2947, 0.4862
Android (android.graphics.Color)	4282556497 (0xFF42A051)
YUV	122.8880, -20.6508, -49.8908
Hunter-Lab	51.8593, -34.6395, 22.4490

Details

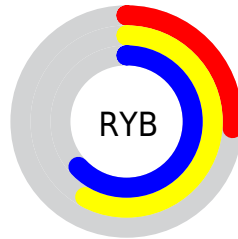
The XYZ color **16.3028, 26.8939, 12.1164** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **21.5571, 13.4149, 28.2421**, and the grayscale version is **18.8636, 19.8460, 21.6123**.

A 20% lighter version of the original color is **36.7468, 54.9153, 30.4927**, and **5.5322, 10.6252, 3.1981** is the 20% darker color. If you saturate the color by 10%, you get **14.9166, 26.2327, 9.6752**, and if you desaturate by 10%, it is **18.0918, 27.7528, 15.0990**.

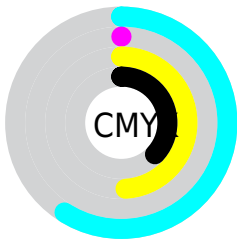
Distribution



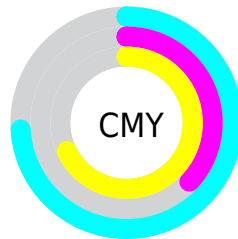
- Red (26%)
- Green (63%)
- Blue (32%)



- Red (26%)
- Yellow (58%)
- Blue (63%)



- Cyan (59%)
- Magenta (0%)
- Yellow (49%)
- Black (37%)



- Cyan (74%)
- Magenta (37%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3028, 26.8939, 12.1164 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 16.3028, 26.8939, 12.1164 by changing the saturation by 10% instead.

■ 16.3028, 26.8939,
12.1164

■ 16.3028, 26.8939,
12.1164

224.3573,
287.1430, 216.1796

■ 9.8309, 17.4936,
6.6995

■ 36.6763, 54.7136,
30.3745

■ 5.3484, 10.5870,
3.1993

■ 51.3086, 73.9017,
44.0528

■ 2.4899, 5.7899,
1.1973

■ 69.3917, 97.1212,
61.3219

■ 0.8902, 2.7177,
0.0000

■ 91.2910, 124.7564,
82.6004

■ 0.0000, 0.9862,
0.0000

■ 117.3719,
157.1918, 108.3069

■ 0.0000, 0.0000,
0.0000

147.9997,

194.8118, 138.8599

183.5397,
238.0008, 174.6780

■ 16.3028, 26.8939,
12.1164

■ 16.3028, 26.8939,
12.1164

■ 14.9166, 26.2327,
9.6752

■ 18.0918, 27.7528,
15.0990

■ 13.8994, 25.7501,
7.7411

■ 20.3098, 28.8199,
18.6508

■ 13.2151, 25.4289,
6.2787

■ 22.9833, 30.1091,
22.8000

■ 12.7967, 25.2356,
5.2465

■ 26.1361, 31.6320,
27.5724

■ 12.7526, 25.2151,
5.1450

■ 29.7900, 33.3995,
32.9922

■ 33.9658, 35.4217,
39.0823

■ 38.6830, 37.7083,
45.8646

■ 43.9600, 40.2683,
53.3600

■ 49.8145, 43.1103,
61.5883

Harmonies

Analogous

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



20.5871, 26.8939, 6.4935



16.3028, 26.8939, 12.1164



14.5348, 26.8939, 25.3720

Triad

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



16.3028, 26.8939, 12.1164



24.1571, 26.8939, 85.4221



39.6820, 26.8939, 16.5019

Complementary

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



16.3028, 26.8939, 12.1164



21.5571, 13.4149, 28.2421

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.



41.1019, 26.8939, 33.5763



16.3028, 26.8939, 12.1164



31.2797, 26.8939, 79.4470

Square

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



16.3028, 26.8939, 12.1164



18.5147, 26.8939, 71.7368



37.7937, 26.8939, 57.8592



34.2025, 26.8939, 8.1140

Rectangle

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



16.3028, 26.8939, 12.1164



14.7443, 26.8939, 39.2767



37.7937, 26.8939, 57.8592



40.6864, 26.8939, 21.1468

Sweetspot

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



16.3035, 26.8950, 12.1170



47.7030, 57.5529, 50.4347



25.3915, 31.6380, 9.9230



10.0949, 12.4448, 10.5101



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.



16.3035, 26.8950, 12.1170



26.5409, 47.3712, 16.5673



18.6556, 27.8359, 24.5033



6.5918, 7.4175, 7.2849



9.9450, 19.6459, 4.0674



0.1885, 0.3555, 0.1288

Inverse Universe

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



21.5571, 13.4149, 28.2421



36.9210, 20.6293, 48.3469



18.6935, 12.2695, 13.1629



6.8587, 6.7364, 8.1068



14.6840, 7.1782, 18.3848



0.2737, 0.1328, 0.3872

Previews

White Background



This preview shows how the XYZ color 16.3028, 26.8939, 12.1164 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 16.3028, 26.8939, 12.1164 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 16.3028, 26.8939, 12.1164

Background



This preview shows how black text looks on a background with the XYZ color 16.3028, 26.8939, 12.1164.



This preview shows how white text looks on a background with the XYZ color 16.3028, 26.8939,

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

16.3028, 26.8939, 12.1164

Protanopia

24.2785, 26.5127, 10.3164

Deuteranopia

26.8230, 26.2844, 12.6765



Tritanopia

21.6079, 26.8038, 38.6851

Trichromacy



Original Color

16.3028, 26.8939, 12.1164

Protanomaly

20.0978, 25.9266, 10.9662

Deuteranomaly

20.9779, 25.2063, 12.3540

Tritanomaly

19.0137, 26.4669, 26.2968

Monochromacy



Original Color

16.3028, 26.8939, 12.1164

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

16.9904, 21.5158, 17.4448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3028, 26.8939, 12.1164 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(66, 160, 81)` looks like.

```
.text, #text, p{  
    color:rgb(66, 160, 81)  
}
```

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(66, 160, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 160, 81) }
```

Border

The CSS property to change the border of an element to XYZ 16.3028, 26.8939, 12.1164 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(66, 160, 81) }
```


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

```
.border{ border-color:rgb(66, 160, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 160, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 160, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 160, 81);  
box-shadow:4px 4px 4px 4px rgb(66, 160,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3028, 26.8939, 12.1164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 160, 81) }
```

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

```
.background{ background-color: rgb(66, 160,  
81) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor