

Converting Colors

XYZ(16.2149, 27.2852, 12.1853)

Have a look what the booklet for
XYZ(16.2149, 27.2852, 12.1853)
contains.

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Color

**XYZ(16.2690, 27.3954,
12.2150)**

Conversions

Conversions Part 1

Format	Color
Hex	3CA251
RGB	60, 162, 81
RGB Percent	24%, 64%, 32%
CMY	0.7647, 0.3647, 0.6823
CMYK	0.63, 0.00, 0.50, 0.36
HSL	132°, 46%, 44%
HSV	132°, 63%, 64%
XYZ	16.2690, 27.3954, 12.2150
YIQ	122.2680, -34.7910, -46.8150

Conversions

Conversions Part 2

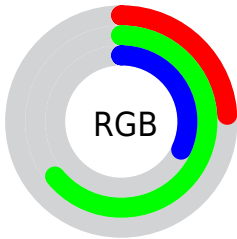
Format	Color
RYB	60, 145, 162
Decimal	3973713
CIELab	59.34, -47.12, 33.44
CIELCh	59, 57.777, 144.641
Yxy	27.3954, 0.2911, 0.4903
Android (android.graphics.Color)	4282163793 (0xFF3CA251)
YUV	122.2680, -20.3451, -54.6090
Hunter-Lab	52.3406, -36.1130, 22.8016

Details

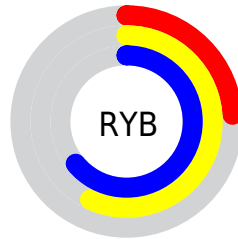
The XYZ color **16.2690, 27.3954, 12.2150** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **21.3246, 12.8366, 26.5536**, and the grayscale version is **18.6595, 19.6312, 21.3784**.

A 20% lighter version of the original color is **36.7075, 55.6603, 30.6386**, and **5.7432, 11.0471, 3.2684** is the 20% darker color. If you saturate the color by 10%, you get **14.9986, 26.7918, 9.8717**, and if you desaturate by 10%, it is **17.9318, 28.1922, 15.0550**.

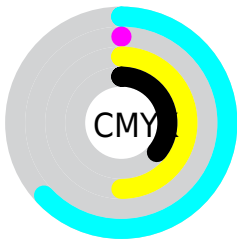
Distribution



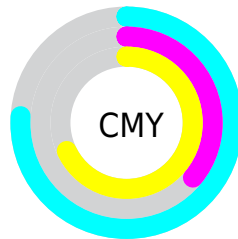
- Red (24%)
- Green (64%)
- Blue (32%)



- Red (24%)
- Yellow (57%)
- Blue (64%)



- Cyan (63%)
- Magenta (0%)
- Yellow (50%)
- Black (36%)



- Cyan (76%)
- Magenta (36%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2690, 27.3954, 12.2150 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 16.2690, 27.3954, 12.2150 by changing the saturation by 10% instead.

■ 16.2690, 27.3954,
12.2150

■ 16.2690, 27.3954,
12.2150

224.1632,
289.5665, 216.8517

■ 9.8068, 17.8704,
6.7660

■ 36.6183, 55.5177,
30.5563

■ 5.3323, 10.8570,
3.2399

■ 51.2360, 74.8838,
44.2857

■ 2.4803, 5.9707,
1.2184

■ 69.3029, 98.2991,
61.6122

■ 0.8853, 2.8273,
0.0000

■ 91.1844, 126.1479,
82.9545

■ 0.0000, 1.0422,
0.0000

■ 117.2458,
158.8146, 108.7310

■ 0.0000, 0.0000,
0.0000

147.8525,

196.6837, 139.3604

183.3699,
240.1396, 175.2611

■ 16.2690, 27.3954,
12.2150

■ 16.2690, 27.3954,
12.2150

■ 14.9986, 26.7918,
9.8717

■ 17.9318, 28.1922,
15.0550

■ 14.0850, 26.3615,
7.9947

■ 20.0144, 29.1937,
18.4162

■ 13.4895, 26.0857,
6.5531

■ 22.5444, 30.4140,
22.3235

■ 13.2004, 25.9535,
5.7789

■ 25.5459, 31.8654,
26.7999

■ 29.0418, 33.5591,
31.8670

■ 33.0530, 35.5054,
37.5451

■ 37.5996, 37.7144,
43.8538

■ 42.7004, 40.1952,
50.8115

■ 48.3733, 42.9568,
58.4363

Harmonies

Analogous

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



20.6631, 27.3954, 6.3057



16.2690, 27.3954, 12.2150



14.5074, 27.3954, 26.2636

Triad

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



16.2690, 27.3954, 12.2150



24.7619, 27.3954, 89.5995



40.8243, 27.3954, 16.1210

Complementary

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



16.2690, 27.3954, 12.2150



21.3246, 12.8366, 26.5536

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.



42.4720, 27.3954, 33.7031



16.2690, 27.3954, 12.2150



32.2736, 27.3954, 82.6063

Square

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



16.2690, 27.3954, 12.2150



18.7953, 27.3954, 75.4898



39.0973, 27.3954, 59.3012



34.9380, 27.3954, 7.7190

Rectangle

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



16.2690, 27.3954, 12.2150



14.7735, 27.3954, 41.0632



39.0973, 27.3954, 59.3012



41.9331, 27.3954, 20.8569

Sweetspot

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



16.2697, 27.3965, 12.2156



48.5552, 58.9029, 51.8389



24.8237, 31.8837, 9.1209



10.5310, 13.0481, 11.0962



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.



16.2697, 27.3965, 12.2156



26.4080, 48.2494, 16.2913



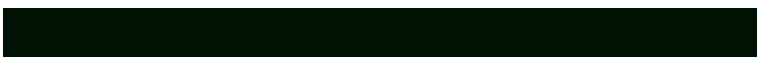
18.9084, 28.4520, 26.1112



7.0424, 7.9178, 7.8353



10.4124, 20.4513, 4.6221



0.2340, 0.4358, 0.1773

Inverse Universe

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



21.3246, 12.8366, 26.5536



36.3148, 19.5307, 44.2553



18.3880, 11.6620, 11.0894



7.3016, 7.1771, 8.5744



14.8578, 7.2992, 16.9734



0.3271, 0.1593, 0.4352

Previews

White Background



This preview shows how the XYZ color 16.2690, 27.3954, 12.2150 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 16.2690, 27.3954, 12.2150 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 16.2690, 27.3954, 12.2150

Background



This preview shows how black text looks on a background with the XYZ color 16.2690, 27.3954, 12.2150.



This preview shows how white text looks on a background with the XYZ color 16.2690, 27.3954,

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

16.2690, 27.3954, 12.2150

Protanopia

24.6193, 26.9083, 10.3748

Deuteranopia

27.4387, 26.8032, 12.9599



Tritanopia

21.8389, 27.3839, 39.7319

Trichromacy



Original Color

16.2690, 27.3954, 12.2150



Protanomaly

19.9722, 26.0957, 11.0055



Deuteranomaly

21.1252, 25.7320, 12.4477



Tritanomaly

19.0932, 26.9940, 26.7583

Monochromacy



Original Color

16.2690, 27.3954, 12.2150



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.7451, 21.6055, 17.1976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2690, 27.3954, 12.2150 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(60, 162, 81)` looks like.

```
.text, #text, p{  
    color:rgb(60, 162, 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(60, 162, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 162, 81) }
```

Border

The CSS property to change the border of an element to XYZ 16.2690, 27.3954, 12.2150 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(60, 162, 81) }
```


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

```
.border{ border-color:rgb(60, 162, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 162, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 162, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 162, 81);  
box-shadow:4px 4px 4px 4px rgb(60, 162,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2690, 27.3954, 12.2150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 162, 81) }
```

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

```
.background{ background-color: rgb(60, 162,  
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](#).

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