

Converting Colors

XYZ(29.3136, 42.6176, 15.3639)

Have a look what the booklet for
XYZ(29.3136, 42.6176, 15.3639)
contains.

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Color

**XYZ(29.3238, 42.5846,
15.2685)**

Conversions

Conversions Part 1

Format	Color
Hex	81BF55
RGB	129, 191, 85
RGB Percent	51%, 75%, 33%
CMY	0.4941, 0.2510, 0.6667
CMYK	0.32, 0.00, 0.55, 0.25
HSL	95°, 45%, 54%
HSV	95°, 55%, 75%
XYZ	29.3238, 42.5846, 15.2685
YIQ	160.3780, -2.9260, -46.1100

Conversions

Conversions Part 2

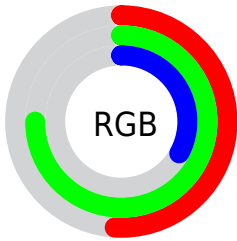
Format	Color
RYB	85, 191, 147
Decimal	8503125
CIELab	71.27, -38.32, 46.56
CIElCh	71, 60.302, 129.452
Yxy	42.5846, 0.3364, 0.4885
Android (android.graphics.Color)	4286693205 (0xFF81BF55)
YUV	160.3780, -37.1614, -27.5185
Hunter-Lab	65.2569, -33.9889, 31.8074

Details

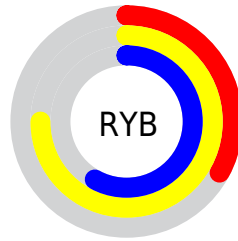
The XYZ color **29.3238, 42.5846, 15.2685** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **24.6870, 16.4629, 51.1690**, and the grayscale version is **33.7565, 35.5145, 38.6753**.

A 20% lighter version of the original color is **58.1624, 79.2841, 36.2826**, and **12.1218, 19.4970, 4.5633** is the 20% darker color. If you saturate the color by 10%, you get **27.0601, 41.4951, 11.7224**, and if you desaturate by 10%, it is **31.9800, 43.8554, 19.9037**.

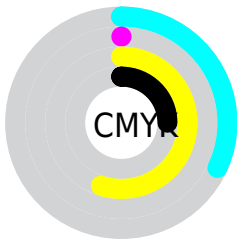
Distribution



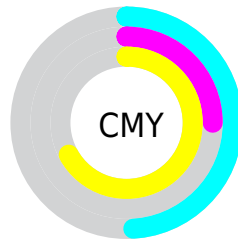
- Red (51%)
- Green (75%)
- Blue (33%)



- Red (33%)
- Yellow (75%)
- Blue (58%)



- Cyan (32%)
- Magenta (0%)
- Yellow (55%)
- Black (25%)



- Cyan (49%)
- Magenta (25%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3238, 42.5846, 15.2685 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 29.3238, 42.5846, 15.2685 by changing the saturation by 10% instead.

■ 29.3238, 42.5846,
15.2685

■ 29.3238, 42.5846,
15.2685

290.7064,
356.9006, 236.6822

■ 19.4714, 29.5593,
8.8593

■ 57.9852, 79.0836,
36.0725

■ 12.1174, 19.5043,
4.5540

■ 77.5248, 103.3262,
51.3043

■ 6.8965, 12.0353,
1.9339

■ 101.0243,
132.0766, 70.3142

■ 3.4432, 6.7677,
0.5142

■ 128.8490,
165.7193, 93.5206

■ 1.3922, 3.3173,
0.0000

■ 161.3642,
204.6386, 121.3420

■ 0.2507, 1.2995,
0.0000

198.9352,

■ 0.0000, 0.1408,

249.2190, 154.1971

0.0000

241.9275,
299.8449, 192.5043

■ 0.0000, 0.0000,
0.0000

■ 29.3238, 42.5846,
15.2685

■ 29.3238, 42.5846,
15.2685

■ 27.0601, 41.4951,
11.7224

■ 31.9800, 43.8554,
19.9037

■ 25.1628, 40.5715,
9.1733

■ 35.0463, 45.3109,
25.7047

■ 23.6074, 39.8046,
7.5188

■ 38.5428, 46.9612,
32.7442

■ 22.3628, 39.1814,
6.6311

■ 42.4871, 48.8140,
41.0884

■ 21.8794, 38.9376,
6.3625

■ 46.8960, 50.8765,
50.7988

■ 51.7851, 53.1556,
61.9329

■ 57.1694, 55.6577,
74.5450

■ 63.0632, 58.3892,
88.6863

■ 69.1715, 61.2325,
102.7811

Harmonies

Analogous

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



37.3623, 42.5846, 10.2516



29.3238, 42.5846, 15.2685



24.8477, 42.5846, 29.4239

Triad

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



29.3238, 42.5846, 15.2685



34.0204, 42.5846, 120.6063



62.8725, 42.5846, 37.8020

Complementary

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



29.3238, 42.5846, 15.2685



24.6870, 16.4629, 51.1690

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.



61.5749, 42.5846, 68.8156



29.3238, 42.5846, 15.2685



43.7568, 42.5846, 125.9604

Square

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



29.3238, 42.5846, 15.2685



27.2289, 42.5846, 91.5768



54.1468, 42.5846, 104.1071



57.4428, 42.5846, 19.1993

Rectangle

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



29.3238, 42.5846, 15.2685



23.9645, 42.5846, 45.8361



54.1468, 42.5846, 104.1071



63.2264, 42.5846, 46.9028

Sweetspot

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



29.3248, 42.5864, 15.2694



74.7793, 86.8070, 70.7621



33.5351, 32.5496, 13.1102



16.0975, 18.9103, 14.8481



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.3248, 42.5864, 15.2694



47.5303, 73.8625, 19.6599



24.3913, 40.0000, 16.9865



9.7739, 10.8378, 10.1534



14.4653, 25.6330, 4.1853



0.6412, 1.0425, 0.1674

Inverse Universe

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



24.6870, 16.4629, 51.1690



38.3214, 22.2471, 90.5535



33.1968, 20.9589, 46.6443



9.5367, 9.4936, 12.0020



10.6417, 4.7721, 32.7531



0.4897, 0.2245, 1.2864

Previews

White Background



This preview shows how the XYZ color 29.3238, 42.5846, 15.2685 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 29.3238, 42.5846, 15.2685 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3238, 42.5846, 15.2685

Background



This preview shows how black text looks on a background with the XYZ color 29.3238, 42.5846, 15.2685.



This preview shows how white text looks on a background with the XYZ color 29.3238, 42.5846,

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

29.3238, 42.5846, 15.2685

Protanopia

38.5763, 42.1887, 13.6995

Deuteranopia

43.0086, 42.1913, 16.0021



Tritanopia

37.9129, 42.6486, 57.2727

Trichromacy



Original Color

29.3238, 42.5846, 15.2685

Protanomaly

34.4218, 41.7978, 14.2362

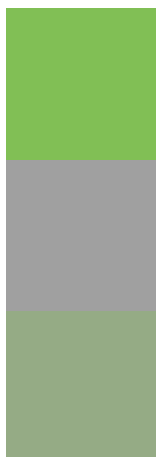
Deuteranomaly

36.4245, 41.3263, 15.5082

Tritanomaly

33.7884, 42.1895, 36.9344

Monochromacy



Original Color

29.3238, 42.5846, 15.2685

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.1910, 37.2088, 27.7284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3238, 42.5846, 15.2685 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(129, 191, 85)` looks like.

```
.text, #text, p{  
    color:rgb(129, 191, 85)  
}
```

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(129, 191, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 191, 85) }
```

Border

The CSS property to change the border of an element to XYZ 29.3238, 42.5846, 15.2685 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(129, 191, 85) }
```


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

```
.border{ border-color:rgb(129, 191, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 191, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 191, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 191, 85);  
box-shadow:4px 4px 4px 4px rgb(129, 191,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3238, 42.5846, 15.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 191, 85) }
```

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

```
.background{ background-color: rgb(129,  
191, 85) }
```

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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