

Converting Colors

XYZ(18.5051, 36.4150, 8.0030)

Have a look what the booklet for
XYZ(18.5051, 36.4150, 8.0030)
contains.

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Color

**XYZ(18.5638, 36.5417,
7.9943)**

Conversions

Conversions Part 1

Format	Color
Hex	00BD27
RGB	0, 189, 39
RGB Percent	0%, 74%, 15%
CMY	1.0000, 0.2588, 0.8470
CMYK	1.00, 0.00, 0.79, 0.26
HSL	132°, 100%, 37%
HSV	132°, 100%, 74%
XYZ	18.5638, 36.5417, 7.9943
YIQ	115.3890, -64.4940, -86.7180

Conversions

Conversions Part 2

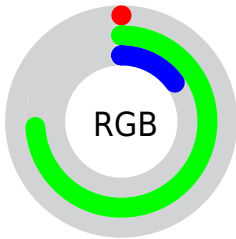
Format	Color
RYB	0, 157, 189
Decimal	48423
CIELab	66.93, -67.37, 59.24
CIELCh	67, 89.707, 138.673
Yxy	36.5417, 0.2942, 0.5791
Android (android.graphics.Color)	4278238503 (0xFF00BD27)
YUV	115.3890, -37.6598, -101.1962
Hunter-Lab	60.4497, -50.9706, 34.4739

Details

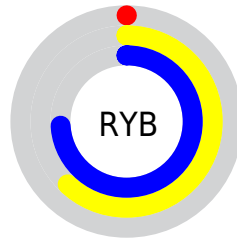
The XYZ color **18.5638, 36.5417, 7.9943** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **26.4919, 13.0212, 29.9699**, and the grayscale version is **16.5399, 17.4012, 18.9499**.

A 20% lighter version of the original color is **40.6276, 70.0754, 22.4509**, and **8.5251, 17.0502, 2.8417** is the 20% darker color. If you saturate the color by 10%, you get **18.5647, 36.5432, 7.9951**, and if you desaturate by 10%, it is **19.1310, 36.8005, 9.5857**.

Distribution



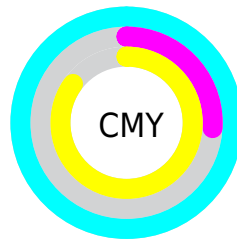
- Red (0%)
- Green (74%)
- Blue (15%)



- Red (0%)
- Yellow (62%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.5638, 36.5417, 7.9943 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 18.5638, 36.5417, 7.9943 by changing the saturation by 10% instead.


 18.5638, 36.5417,
7.9943


 18.5638, 36.5417,
7.9943


237.0146,
331.3221, 185.6202


 11.4576, 24.8528,
4.0036


 40.5183, 69.8674,
22.4933


 6.4451, 15.9675,
1.6273


 56.0974, 92.2729,
33.8386


 3.1608, 9.5011,
0.3102


 75.2315, 119.0196,
48.4725

 1.2393, 5.0695,
0.0000

 98.2859, 150.4916,
66.8136

 0.1371, 2.2881,
0.0000

 125.6261,
187.0735, 89.2804

 0.0000, 0.7674,
0.0000

 157.6174,

 0.0000, 0.0000,

229.1496, 116.2914

0.0000

194.6251,
277.1043, 148.2651

■ 18.5638, 36.5417,
7.9943

■ 18.5638, 36.5417,
7.9943

■ 18.5647, 36.5432,
7.9951

■ 19.1310, 36.8005,
9.5857

■ 20.0647, 37.2347,
11.7607

■ 21.4691, 37.8980,
14.5722

■ 23.3996, 38.8179,
18.0650

■ 25.9036, 40.0180,
22.2801

■ 29.0230, 41.5192,
27.2549

■ 32.7958, 43.3404,
33.0243

■ 37.2569, 45.4988,
39.6213

■ 42.4386, 48.0104,
47.0765

Harmonies

Analogous

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



27.0147, 36.5417, 2.6557



18.5638, 36.5417, 7.9943



14.8843, 36.5417, 26.8172

Triad

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



18.5638, 36.5417, 7.9943



29.8450, 36.5417, 167.6479



65.8596, 36.5417, 20.3052

Complementary

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



18.5638, 36.5417, 7.9943



26.4919, 13.0212, 29.9699

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.



67.1969, 36.5417, 56.3831



18.5638, 36.5417, 7.9943



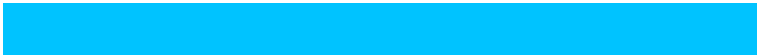
43.7942, 36.5417, 161.2529

Square

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



18.5638, 36.5417, 7.9943



20.1681, 36.5417, 126.6794



58.3007, 36.5417, 112.5566



55.0185, 36.5417, 5.8855

Rectangle

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



18.5638, 36.5417, 7.9943



14.7651, 36.5417, 52.1820



58.3007, 36.5417, 112.5566



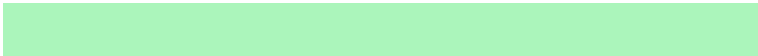
67.5240, 36.5417, 29.5300

Sweetspot

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



18.5647, 36.5432, 7.9951



58.3830, 77.4495, 58.6150



30.9985, 42.9954, 6.6652



11.9162, 16.3466, 11.6364



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



18.5647, 36.5432, 7.9951



33.1790, 65.4187, 13.9554



22.3839, 38.0709, 28.1071



9.4872, 10.6810, 10.5489



12.5133, 24.5956, 5.4996



0.5142, 0.9730, 0.3421

Inverse Universe

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



26.4919, 13.0212, 29.9699



47.3553, 23.2841, 53.2011



21.7182, 11.1117, 4.8320



9.8433, 9.6616, 11.5639



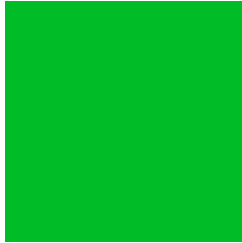
17.8521, 8.7720, 20.3125



0.7209, 0.3523, 0.9098

Previews

White Background



This preview shows how the XYZ color 18.5638, 36.5417, 7.9943 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 18.5638, 36.5417, 7.9943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

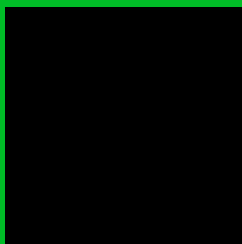
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.5638, 36.5417, 7.9943

Background



This preview shows how black text looks on a background with the XYZ color 18.5638, 36.5417, 7.9943.



This preview shows how white text looks on a background with the XYZ color 18.5638, 36.5417,

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

18.5638, 36.5417, 7.9943

Protanopia

32.4724, 35.8900, 6.5825

Deuteranopia

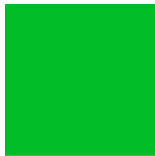
36.4379, 35.6149, 8.5683



Tritanopia

27.9615, 36.3881, 54.2651

Trichromacy



Original Color

18.5638, 36.5417, 7.9943



Protanomaly

22.2584, 33.3394, 6.8521



Deuteranomaly

23.2439, 32.1613, 7.8884



Tritanomaly

22.2124, 35.4751, 28.5983

Monochromacy



Original Color

18.5638, 36.5417, 7.9943



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.1410, 21.4506, 12.4119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5638, 36.5417, 7.9943 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(0, 189, 39)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 39)  
}
```

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(0, 189, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 39) }
```

Border

The CSS property to change the border of an element to XYZ 18.5638, 36.5417, 7.9943 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(0, 189, 39) }
```


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

```
.border{ border-color:rgb(0, 189, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 39);  
box-shadow:4px 4px 4px 4px rgb(0, 189, 39)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.5638, 36.5417, 7.9943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 39) }
```

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

```
.background{ background-color: rgb(0, 189,  
39) }
```

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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