

Converting Colors

XYZ(36.4265, 71.7866, 15.4295)

Have a look what the booklet for
XYZ(36.4265, 71.7866, 15.4295)
contains.

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Color

**XYZ(36.4259, 71.7863,
15.4263)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF36
RGB	0, 255, 54
RGB Percent	0%, 100%, 21%
CMY	1.0000, 0.0000, 0.7882
CMYK	1.00, 0.00, 0.79, 0.00
HSL	133°, 100%, 50%
HSV	133°, 100%, 100%
XYZ	36.4259, 71.7863, 15.4263
YIQ	155.8410, -87.4590, -116.5710

Conversions

Conversions Part 2

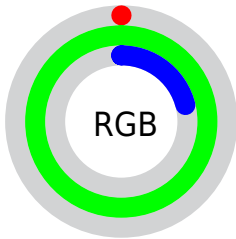
Format	Color
RYB	0, 210, 255
Decimal	65334
CIELab	87.87, -84.51, 74.82
CIELCh	88, 112.870, 138.483
Yxy	71.7863, 0.2946, 0.5806
Android (android.graphics.Color)	4278255414 (0xFF00FF36)
YUV	155.8410, -50.2076, -136.6726
Hunter-Lab	84.7268, -71.5308, 48.5138

Details

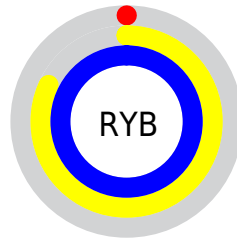
The XYZ color **36.4259, 71.7863, 15.4263** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **51.7829, 25.4773, 57.4476**, and the grayscale version is **31.7756, 33.4304, 36.4057**.

A 20% lighter version of the original color is **46.5201, 76.7029, 28.8763**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.4259, 71.7863, 15.4264**, and if you desaturate by 10%, it is **37.4133, 72.2291, 18.4676**.

Distribution



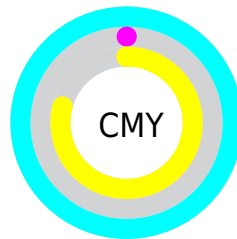
- Red (0%)
- Green (100%)
- Blue (21%)



- Red (0%)
- Yellow (82%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4259, 71.7863, 15.4263 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 36.4259, 71.7863, 15.4263 by changing the saturation by 10% instead.


 36.4259, 71.7863,
15.4263


 36.4259, 71.7863,
15.4263


322.2171,
466.7974, 237.6612


 24.9349, 52.9841,
8.9692


 69.0085, 121.7527,
36.3521

 16.1571, 37.7901,
4.6245


 90.8309, 153.6856,
51.6579


 9.7269, 25.8198,
1.9738


 116.8277,
190.7643, 70.7504

 5.2791, 16.6889,
0.5391

 147.3645,
233.3731, 94.0480

 2.4484, 10.0129,
0.0000

 182.8064,
281.8965, 121.9694

 0.8693, 5.4075,
0.0000

223.5189,

 0.0000, 2.4883,

336.7187, 154.9330

0.0000

269.8674,
398.2242, 193.3574

■ 0.0000, 0.8708,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.4259, 71.7863,
15.4263

■ 36.4259, 71.7863,
15.4263

■ 36.4259, 71.7863,
15.4264

■ 37.4133, 72.2291,
18.4676

■ 39.1555, 73.0360,
22.6725

■ 41.8361, 74.2994,
28.1481

■ 45.5723, 76.0781,
34.9866

■ 50.4638, 78.4214,
43.2716

■ 56.5983, 81.3731,
53.0797

■ 64.0548, 84.9724,
64.4824

■ 72.9058, 89.2553,
77.5464

■ 83.2184, 94.2550,
92.3348

Harmonies

Analogous

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



53.1435, 71.7863, 5.0865



36.4259, 71.7863, 15.4263



29.1274, 71.7863, 52.2116

Triad

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



36.4259, 71.7863, 15.4263



58.4369, 71.7863, 330.8326



129.8101, 71.7863, 40.0479

Complementary

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



36.4259, 71.7863, 15.4263



51.7829, 25.4773, 57.4476

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.



132.3176, 71.7863, 111.5417



36.4259, 71.7863, 15.4263



85.9330, 71.7863, 318.8206

Square

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



36.4259, 71.7863, 15.4263



39.4221, 71.7863, 249.2648



114.6238, 71.7863, 222.7556



108.4720, 71.7863, 11.5102

Rectangle

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



36.4259, 71.7863, 15.4263



28.8592, 71.7863, 102.0541



114.6238, 71.7863, 222.7556



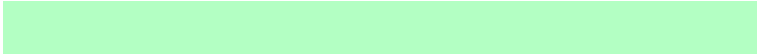
133.0570, 71.7863, 58.3259

Sweetspot

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



36.4262, 71.7865, 15.4275



64.0515, 84.9708, 64.4774



60.6625, 84.3577, 13.0857



13.0013, 17.8450, 12.7293



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.4262, 71.7865, 15.4275



36.4259, 71.7863, 15.4264



43.8466, 74.7547, 54.5030



17.9289, 20.2311, 19.9287



19.0769, 37.5274, 8.2905



1.8952, 3.6690, 1.0062

Inverse Universe

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



51.7829, 25.4773, 57.4476



51.7825, 25.4770, 57.4462



42.5623, 21.7891, 8.8928



18.6182, 18.2306, 21.8727



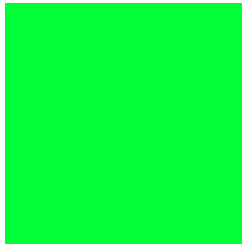
27.1144, 13.3350, 30.3164



2.6793, 1.3141, 3.1584

Previews

White Background



This preview shows how the XYZ color 36.4259, 71.7863, 15.4263 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 36.4259, 71.7863, 15.4263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

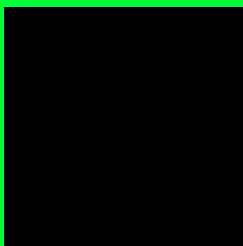
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

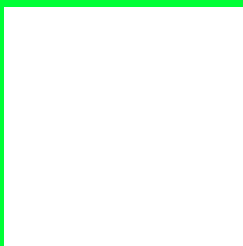
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4259, 71.7863, 15.4263

Background



This preview shows how black text looks on a background with the XYZ color 36.4259, 71.7863, 15.4263.

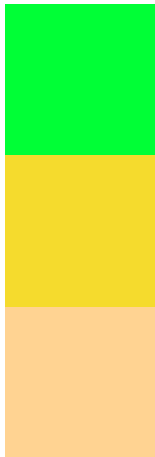


This preview shows how white text looks on a background with the XYZ color 36.4259, 71.7863,

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

36.4259, 71.7863, 15.4263

Protanopia

63.4614, 70.2650, 12.7003

Deuteranopia

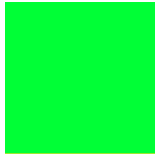
69.7226, 69.9239, 37.0160



Tritanopia

55.4044, 71.4332, 105.4756

Trichromacy



Original Color

36.4259, 71.7863, 15.4263



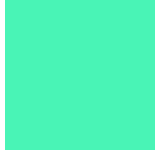
Protanomaly

43.1004, 64.9945, 13.0699



Deuteranomaly

45.3500, 63.8118, 25.5495



Tritanomaly

43.5418, 69.4952, 55.3750

Monochromacy



Original Color

36.4259, 71.7863, 15.4263



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

27.3250, 41.6838, 24.0584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4259, 71.7863, 15.4263 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, 255, 54)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 54)  
}
```

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, 255, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 54) }
```

Border

The CSS property to change the border of an element to XYZ 36.4259, 71.7863, 15.4263 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, 255, 54) }
```


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

```
.border{ border-color:rgb(0, 255, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 54);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 54)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.4259, 71.7863, 15.4263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 54) }
```

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

```
.background{ background-color: rgb(0, 255,  
54) }
```

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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