

Converting Colors

XYZ(41.6623, 66.2522, 16.2441)

Have a look what the booklet for
XYZ(41.6623, 66.2522, 16.2441)
contains.

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Color

**XYZ(41.6749, 66.3164,
16.2341)**

Conversions

Conversions Part 1

Format	Color
Hex	89ED45
RGB	137, 237, 69
RGB Percent	54%, 93%, 27%
CMY	0.4627, 0.0706, 0.7294
CMYK	0.42, 0.00, 0.71, 0.07
HSL	96°, 82%, 60%
HSV	96°, 71%, 93%
XYZ	41.6749, 66.3164, 16.2341
YIQ	187.9480, -5.6720, -73.4480

Conversions

Conversions Part 2

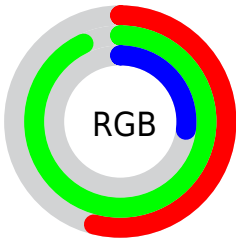
Format	Color
RYB	69, 237, 169
Decimal	9039173
CIELab	85.16, -56.17, 68.36
CIELCh	85, 88.476, 129.411
Yxy	66.3164, 0.3355, 0.5338
Android (android.graphics.Color)	4287229253 (0xFF89ED45)
YUV	187.9480, -58.6414, -44.6814
Hunter-Lab	81.4349, -51.1624, 45.1849

Details

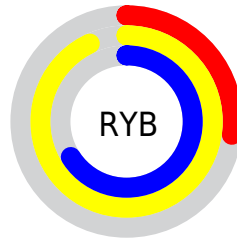
The XYZ color **41.6749, 66.3164, 16.2341** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **33.7798, 18.8080, 81.9743**, and the grayscale version is **48.0972, 50.6019, 55.1055**.

A 20% lighter version of the original color is **62.2908, 84.7621, 32.8163**, and **19.3017, 34.1790, 5.5799** is the 20% darker color. If you saturate the color by 10%, you get **38.9180, 64.9659, 13.0021**, and if you desaturate by 10%, it is **45.0310, 67.9459, 21.0294**.

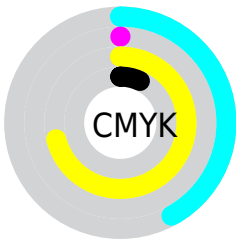
Distribution



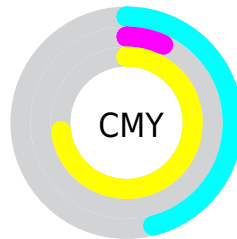
- Red (54%)
- Green (93%)
- Blue (27%)



- Red (27%)
- Yellow (93%)
- Blue (66%)



- Cyan (42%)
- Magenta (0%)
- Yellow (71%)
- Black (7%)




- Cyan (46%)
- Magenta (7%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6749, 66.3164, 16.2341 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 41.6749, 66.3164, 16.2341 by changing the saturation by 10% instead.


 41.6749, 66.3164,
16.2341


 41.6749, 66.3164,
16.2341


344.1481,
447.5076, 242.6118

 29.0368, 48.5293,
9.5338


 76.9756, 113.9403,
37.7766

 19.2531, 34.2462,
4.9894


 100.3690,
144.5459, 53.4558


 11.9584, 23.0828,
2.1824


 128.0781,
180.1932, 72.9652

 6.7873, 14.6547,
0.6642

 160.4684,
221.2664, 96.7231

 3.3746, 8.5774,
0.0000

 197.9052,
268.1501, 125.1482

 1.3548, 4.4666,
0.0000

240.7538,

 0.2237, 1.9378,

321.2286, 158.6590

0.0000

289.3797,
380.8863, 197.6740

■ 0.0000, 0.5710,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.6749, 66.3164,
16.2341

■ 41.6749, 66.3164,
16.2341

■ 38.9180, 64.9659,
13.0021

■ 45.0310, 67.9459,
21.0294


■ 36.7067, 63.8651,
11.1318


■ 49.0238, 69.8642,
27.5488


■ 35.1013, 63.0537,
10.3206


■ 53.6927, 72.0902,
35.9375

■ 59.0719, 74.6390,
46.3245

 65.1933, 77.5243,
58.8273

 72.0866, 80.7591,
73.5542

 79.7795, 84.3555,
90.6062

 87.7118, 88.0904,
106.9880

 89.5756, 89.0512,
107.0752

Harmonies

Analogous

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



56.9636, 66.3164, 9.0011



41.6749, 66.3164, 16.2341



33.5034, 66.3164, 40.0471

Triad

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



41.6749, 66.3164, 16.2341



50.4783, 66.3164, 231.6619



108.9689, 66.3164, 55.6882

Complementary

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



41.6749, 66.3164, 16.2341



33.7798, 18.8080, 81.9743

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.



106.2061, 66.3164, 118.1553



41.6749, 66.3164, 16.2341



69.5162, 66.3164, 243.9233

Square

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



41.6749, 66.3164, 16.2341



37.7912, 66.3164, 166.8548



90.6651, 66.3164, 194.7328



97.5676, 66.3164, 22.4981

Rectangle

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



41.6749, 66.3164, 16.2341



31.9221, 66.3164, 71.0832



90.6651, 66.3164, 194.7328



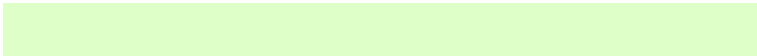
109.7115, 66.3164, 73.3432

Sweetspot

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



41.6765, 66.3193, 16.2356



76.8250, 91.4658, 69.1418



49.8207, 46.0745, 11.8987



15.9967, 19.3671, 13.8711



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.



41.6765, 66.3193, 16.2356



44.7144, 76.0953, 14.1861



34.3018, 62.4612, 18.4332



15.4455, 17.1597, 16.0168



19.3027, 34.4954, 5.6409



1.6220, 2.7635, 0.4479

Inverse Universe

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



33.7798, 18.8080, 81.9743



34.7457, 16.8678, 96.0322



50.3751, 27.5903, 72.4859



15.0910, 14.9922, 19.0207



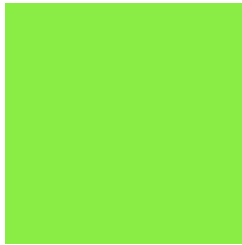
14.5025, 6.5122, 44.2356



1.2472, 0.5672, 3.4786

Previews

White Background



This preview shows how the XYZ color 41.6749, 66.3164, 16.2341 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 41.6749, 66.3164, 16.2341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

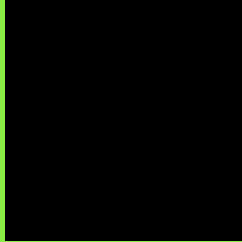
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

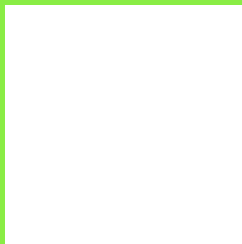
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.6749, 66.3164, 16.2341

Background



This preview shows how black text looks on a background with the XYZ color 41.6749, 66.3164, 16.2341.

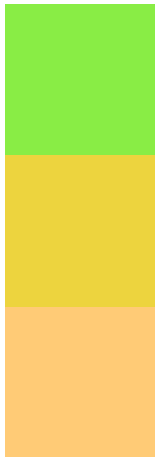


This preview shows how white text looks on a background with the XYZ color 41.6749, 66.3164,

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

41.6749, 66.3164, 16.2341

Protanopia

59.3380, 65.4393, 14.0610

Deuteranopia

65.8660, 65.2799, 26.2683



Tritanopia

56.5407, 65.7314, 91.3688

Trichromacy



Original Color

41.6749, 66.3164, 16.2341



Protanomaly

50.8980, 64.5121, 14.7705



Deuteranomaly

53.7521, 63.5180, 21.4838



Tritanomaly

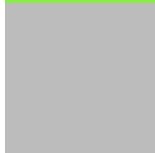
48.7313, 64.9825, 51.5694

Monochromacy



Original Color

41.6749, 66.3164, 16.2341



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.5443, 54.6220, 35.0361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6749, 66.3164, 16.2341 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(137, 237, 69)` looks like.

```
.text, #text, p{  
    color:rgb(137, 237, 69)  
}
```

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(137, 237, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 237, 69) }
```

Border

The CSS property to change the border of an element to XYZ 41.6749, 66.3164, 16.2341 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(137, 237, 69) }
```


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

```
.border{ border-color:rgb(137, 237, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 237, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 237, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 237, 69);  
box-shadow:4px 4px 4px 4px rgb(137, 237,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6749, 66.3164, 16.2341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 237, 69) }
```

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

```
.background{ background-color: rgb(137,  
237, 69) }
```

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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