

Converting Colors

XYZ(39.9817, 66.6031, 16.1608)

Have a look what the booklet for
XYZ(39.9817, 66.6031, 16.1608)
contains.

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Color

**XYZ(40.0886, 66.8025,
16.2501)**

Conversions

Conversions Part 1

Format	Color
Hex	79F044
RGB	121, 240, 68
RGB Percent	47%, 94%, 27%
CMY	0.5255, 0.0588, 0.7333
CMYK	0.50, 0.00, 0.72, 0.06
HSL	102°, 85%, 60%
HSV	102°, 72%, 94%
XYZ	40.0886, 66.8025, 16.2501
YIQ	184.8110, -15.7120, -78.7200

Conversions

Conversions Part 2

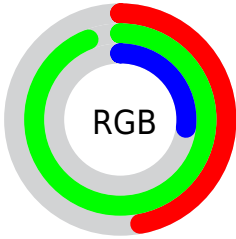
Format	Color
RYB	68, 240, 187
Decimal	7991364
CIELab	85.40, -62.12, 68.75
CIELCh	85, 92.653, 132.099
Yxy	66.8025, 0.3255, 0.5425
Android (android.graphics.Color)	4286181444 (0xFF79F044)
YUV	184.8110, -57.5878, -55.9622
Hunter-Lab	81.7328, -55.4811, 45.4249

Details

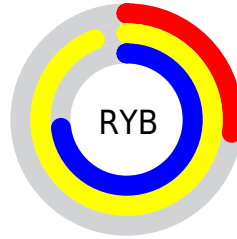
The XYZ color **40.0886, 66.8025, 16.2501** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle washed chartreuse. A complement of this color would be **38.2927, 20.9928, 84.4756**, and the grayscale version is **46.3270, 48.7396, 53.0774**.

A 20% lighter version of the original color is **58.8173, 82.9714, 32.6538**, and **18.4548, 34.6512, 5.7157** is the 20% darker color. If you saturate the color by 10%, you get **37.3710, 65.4716, 13.0511**, and if you desaturate by 10%, it is **43.5096, 68.4655, 21.0487**.

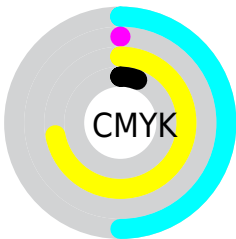
Distribution



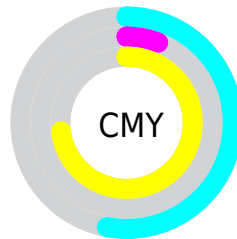
- Red (47%)
- Green (94%)
- Blue (27%)



- Red (27%)
- Yellow (94%)
- Blue (73%)



- Cyan (50%)
- Magenta (0%)
- Yellow (72%)
- Black (6%)





- Cyan (53%)
- Magenta (6%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0886, 66.8025, 16.2501 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 40.0886, 66.8025, 16.2501 by changing the saturation by 10% instead.


 40.0886, 66.8025,
16.2501


 40.0886, 66.8025,
16.2501


337.6249,
449.2414, 242.7089


 27.7922, 48.9241,
9.5450


 74.5819, 114.6374,
37.8047


 18.3087, 34.5593,
4.9967


 97.5094, 145.3627,
53.4912


 11.2729, 23.3236,
2.1866


 124.7114,
181.1391, 73.0087

 6.3193, 14.8326,
0.6666

 156.5531,
222.3510, 96.7757

 3.0827, 8.7020,
0.0000

 193.4000,
269.3828, 125.2106

 1.1976, 4.5473,
0.0000

235.6173,

 0.1045, 1.9842,

322.6188, 158.7321

0.0000

283.5705,
382.4436, 197.7587

■ 0.0000, 0.5983,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0886, 66.8025,
16.2501

■ 40.0886, 66.8025,
16.2501

■ 37.3710, 65.4716,
13.0511

■ 43.5096, 68.4655,
21.0487


■ 35.2923, 64.4379,
11.2397


■ 47.6810, 70.4749,
27.6151


■ 33.9814, 63.7767,
10.5191


■ 52.6505, 72.8541,
36.1011


■ 58.4602, 75.6218,
46.6411

 65.1492, 78.7956,
59.3571

 72.7540, 82.3918,
74.3620

 81.3086, 86.4256,
91.7605

 90.0283, 90.5848,
107.3474

 90.4515, 90.8030,
107.3672

Harmonies

Analogous

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



55.4010, 66.8025, 8.1361



40.0886, 66.8025, 16.2501



32.3000, 66.8025, 42.6674

Triad

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



40.0886, 66.8025, 16.2501



51.8737, 66.8025, 247.5993



111.7236, 66.8025, 51.0912

Complementary

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



40.0886, 66.8025, 16.2501



38.2927, 20.9928, 84.4756

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.



110.1888, 66.8025, 114.3858



40.0886, 66.8025, 16.2501



72.3386, 66.8025, 254.5186

Square

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



40.0886, 66.8025, 16.2501



37.9989, 66.8025, 181.0686



94.5929, 66.8025, 196.7015



98.4132, 66.8025, 19.4921

Rectangle

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



40.0886, 66.8025, 16.2501



31.0870, 66.8025, 77.0545



94.5929, 66.8025, 196.7015



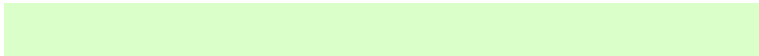
112.9962, 66.8025, 68.5831

Sweetspot

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



40.0902, 66.8053, 16.2516



75.2538, 90.6558, 69.0683



54.4422, 53.8672, 12.9978



15.6264, 19.1762, 13.8538



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.



40.0902, 66.8053, 16.2516



41.6981, 74.5449, 13.8360



35.8238, 64.4634, 22.4946



16.0240, 17.8925, 16.7588



18.7203, 34.9722, 5.7637



1.6553, 2.9599, 0.4841

Inverse Universe

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



38.2927, 20.9928, 84.4756



39.2714, 19.0831, 96.2213



49.4476, 27.2384, 62.6306



15.9528, 15.7729, 19.9253



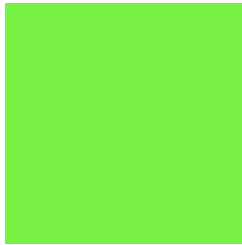
17.3670, 7.9584, 45.7487



1.5460, 0.7142, 3.8106

Previews

White Background



This preview shows how the XYZ color 40.0886, 66.8025, 16.2501 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 40.0886, 66.8025, 16.2501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

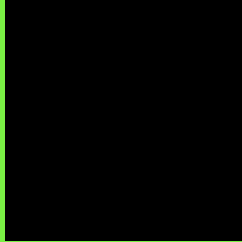
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

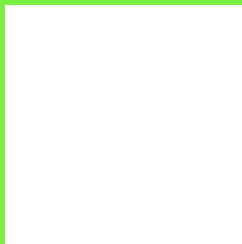
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0886, 66.8025, 16.2501

Background



This preview shows how black text looks on a background with the XYZ color 40.0886, 66.8025, 16.2501.

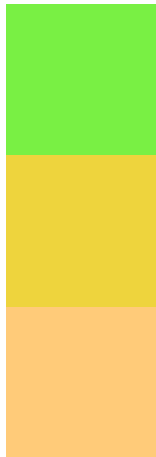


This preview shows how white text looks on a background with the XYZ color 40.0886, 66.8025,

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

40.0886, 66.8025, 16.2501

Protanopia

59.6457, 65.6010, 13.9335

Deuteranopia

66.0471, 65.3523, 27.2224



Tritanopia

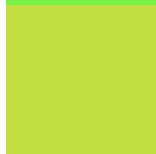
55.4452, 66.3014, 93.8796

Trichromacy



Original Color

40.0886, 66.8025, 16.2501



Protanomaly

49.5524, 64.2148, 14.6335



Deuteranomaly

52.4077, 63.1929, 22.0056



Tritanomaly

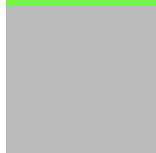
47.2487, 65.4238, 52.7856

Monochromacy



Original Color

40.0886, 66.8025, 16.2501



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

41.6141, 53.2970, 33.6852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0886, 66.8025, 16.2501 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(121, 240, 68)` looks like.

```
.text, #text, p{  
    color:rgb(121, 240, 68)  
}
```

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(121, 240, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 240, 68) }
```

Border

The CSS property to change the border of an element to XYZ 40.0886, 66.8025, 16.2501 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(121, 240, 68) }
```


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

```
.border{ border-color:rgb(121, 240, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 240, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 240, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 240, 68);  
box-shadow:4px 4px 4px 4px rgb(121, 240,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0886, 66.8025, 16.2501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 240, 68) }
```

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

```
.background{ background-color: rgb(121,  
240, 68) }
```

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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