

Converting Colors

XYZ(40.9819, 57.4073, 16.9050)

Have a look what the booklet for
XYZ(40.9819, 57.4073, 16.9050)
contains.

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Color

**XYZ(40.9791, 57.4023,
16.9026)**

Conversions

Conversions Part 1

Format	Color
Hex	A2D852
RGB	162, 216, 82
RGB Percent	64%, 85%, 32%
CMY	0.3647, 0.1529, 0.6784
CMYK	0.25, 0.00, 0.62, 0.15
HSL	84°, 63%, 58%
HSV	84°, 62%, 85%
XYZ	40.9791, 57.4023, 16.9026
YIQ	184.5780, 10.8300, -53.1220

Conversions

Conversions Part 2

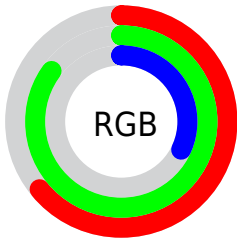
Format	Color
R _Y B	82, 216, 136
Decimal	10672210
CIE Lab	80.41, -37.81, 58.73
CIE LCh	80, 69.848, 122.776
Yxy	57.4023, 0.3555, 0.4979
Android (android.graphics.Color)	4288862290 (0xFFA2D852)
YUV	184.5780, -50.5710, -19.8009
Hunter-Lab	75.7643, -36.0412, 39.8077

Details

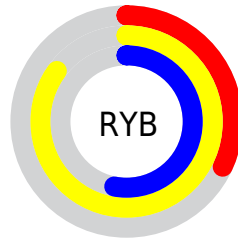
The XYZ color **40.9791, 57.4023, 16.9026** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **25.5678, 16.2284, 66.7539**, and the grayscale version is **46.1487, 48.5520, 52.8731**.

A 20% lighter version of the original color is **69.7191, 88.5132, 36.7027**, and **18.8335, 28.6118, 5.2891** is the 20% darker color. If you saturate the color by 10%, you get **38.5759, 56.2457, 13.1545**, and if you desaturate by 10%, it is **43.7662, 58.7305, 22.0211**.

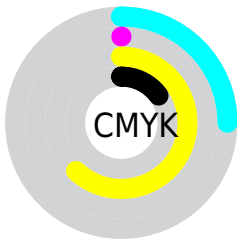
Distribution



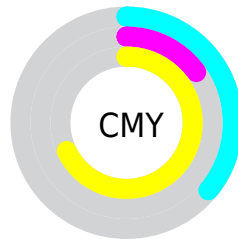
- Red (64%)
- Green (85%)
- Blue (32%)



- Red (32%)
- Yellow (85%)
- Blue (53%)



- Cyan (25%)
- Magenta (0%)
- Yellow (62%)
- Black (15%)





- Cyan (36%)
- Magenta (15%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9791, 57.4023, 16.9026 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 40.9791, 57.4023, 16.9026 by changing the saturation by 10% instead.


 40.9791, 57.4023,
16.9026


 40.9791, 57.4023,
16.9026


341.2973,
414.9551, 246.6354

 28.4904, 41.3283,
10.0038


 75.9271, 101.0520,
38.9466

 18.8380, 28.5757,
5.2959


 99.1170, 129.3964,
54.9289


 11.6566, 18.7601,
2.3601


 126.6047,
162.5999, 74.7762

 6.5808, 11.4971,
0.7646

 158.7556,
201.0466, 98.9069

 3.2453, 6.4022,
0.0000

 195.9349,
245.1211, 127.7396

 1.2848, 3.0912,
0.0000

238.5081,

 0.1718, 1.1795,

295.2078, 161.6929

0.0000

286.8404,
351.6910, 201.1853

■ 0.0000, 0.0449,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.9791, 57.4023,
16.9026

■ 40.9791, 57.4023,
16.9026

■ 38.5759, 56.2457,
13.1545

■ 43.7662, 58.7305,
22.0211

■ 36.5247, 55.2418,
10.6401


■ 46.9574, 60.2329,
28.6220


■ 34.7942, 54.3798,
9.2012


■ 50.5760, 61.9208,
36.8102


■ 33.6028, 53.7774,
8.6090


■ 54.6422, 63.8028,
46.6797

 59.1746, 65.8865,
58.3176

 64.1908, 68.1791,
71.8045

 69.7071, 70.6874,
87.2165

 75.7394, 73.4181,
104.6251

 78.6609, 74.9207,
104.9230

Harmonies

Analogous

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



53.2373, 57.4023, 12.2116



40.9791, 57.4023, 16.9026



33.5688, 57.4023, 32.9411

Triad

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



40.9791, 57.4023, 16.9026



42.9161, 57.4023, 162.0106



86.9115, 57.4023, 58.7618

Complementary

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



40.9791, 57.4023, 16.9026



25.5678, 16.2284, 66.7539

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.



82.8632, 57.4023, 105.9202



40.9791, 57.4023, 16.9026



55.9027, 57.4023, 178.8585

Square

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



40.9791, 57.4023, 16.9026



34.5421, 57.4023, 115.5974



70.8499, 57.4023, 154.9148



81.1148, 57.4023, 28.8134

Rectangle

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



40.9791, 57.4023, 16.9026



31.5634, 57.4023, 53.1079



70.8499, 57.4023, 154.9148



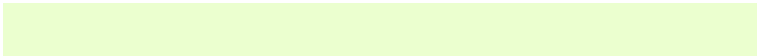
86.6579, 57.4023, 72.9418

Sweetspot

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



40.9805, 57.4048, 16.9038



81.3850, 93.7459, 72.5488



38.5921, 32.7061, 12.2624



17.0272, 19.8846, 14.5393



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.



40.9805, 57.4048, 16.9038



55.3310, 81.4946, 18.0145



30.8417, 52.1781, 16.4293



12.9662, 14.2588, 13.2295



20.0133, 31.8936, 5.1013



1.2996, 1.9713, 0.3120

Inverse Universe

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



25.5678, 16.2284, 66.7539



31.2314, 16.9334, 96.2301



39.9340, 23.6344, 67.4262



12.2117, 12.2505, 15.6585



9.7805, 4.1945, 38.7473



0.6822, 0.3006, 2.3414

Previews

White Background



This preview shows how the XYZ color 40.9791, 57.4023, 16.9026 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 40.9791, 57.4023, 16.9026 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 40.9791, 57.4023, 16.9026

Background



This preview shows how black text looks on a background with the XYZ color 40.9791, 57.4023, 16.9026.



This preview shows how white text looks on a background with the XYZ color 40.9791, 57.4023,

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

40.9791, 57.4023, 16.9026

Protanopia

51.8872, 56.9123, 15.2716

Deuteranopia

58.0491, 56.7262, 17.5626



Tritanopia

52.5978, 57.0063, 74.5608

Trichromacy



Original Color

40.9791, 57.4023, 16.9026

Protanomaly

47.0620, 56.5065, 15.8236

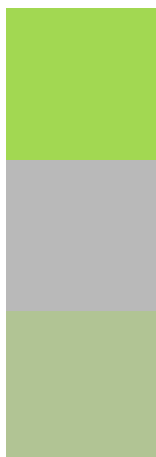
Deuteranomaly

50.1681, 55.9820, 17.1783

Tritanomaly

46.7078, 56.3745, 45.9557

Monochromacy



Original Color

40.9791, 57.4023, 16.9026

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

43.2167, 50.9651, 35.5765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9791, 57.4023, 16.9026 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(162, 216, 82)` looks like.

```
.text, #text, p{  
    color:rgb(162, 216, 82)  
}
```

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(162, 216, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 216, 82) }
```

Border

The CSS property to change the border of an element to XYZ 40.9791, 57.4023, 16.9026 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(162, 216, 82) }
```


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

```
.border{ border-color:rgb(162, 216, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 216, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 216, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 216, 82);  
box-shadow:4px 4px 4px 4px rgb(162, 216,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9791, 57.4023, 16.9026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 216, 82) }
```

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

```
.background{ background-color: rgb(162,  
216, 82) }
```

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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