

Converting Colors

XYZ(34.3036, 59.7073, 27.8480)

Have a look what the booklet for
XYZ(34.3036, 59.7073, 27.8480)
contains.

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Color

**XYZ(34.2739, 59.6906,
27.8042)**

Conversions

Conversions Part 1

Format	Color
Hex	42E779
RGB	66, 231, 121
RGB Percent	26%, 91%, 47%
CMY	0.7412, 0.0941, 0.5255
CMYK	0.71, 0.00, 0.48, 0.09
HSL	140°, 77%, 58%
HSV	140°, 71%, 91%
XYZ	34.2739, 59.6906, 27.8042
YIQ	169.1250, -63.0300, -69.1900

Conversions

Conversions Part 2

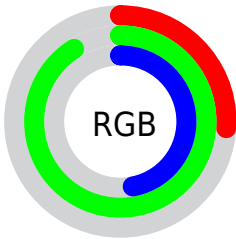
Format	Color
RYB	66, 190, 231
Decimal	4384633
CIELab	81.67, -65.10, 41.51
CIELCh	82, 77.211, 147.478
Yxy	59.6906, 0.2815, 0.4902
Android (android.graphics.Color)	4282574713 (0xFF42E779)
YUV	169.1250, -23.7256, -90.4406
Hunter-Lab	77.2597, -56.0184, 32.7445

Details

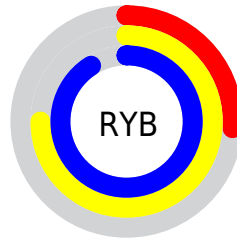
The XYZ color **34.2739, 59.6906, 27.8042** is a dark color, and the websafe version is hex **00CC66**. The color can be described as middle muted spring green. A complement of this color would be **42.7415, 24.0211, 43.4599**, and the grayscale version is **37.9114, 39.8858, 43.4356**.

A 20% lighter version of the original color is **53.3294, 79.6835, 53.1271**, and **16.2415, 30.7143, 10.8668** is the 20% darker color. If you saturate the color by 10%, you get **32.1501, 58.6980, 23.1630**, and if you desaturate by 10%, it is **37.1794, 61.0722, 33.2717**.

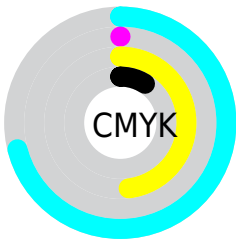
Distribution



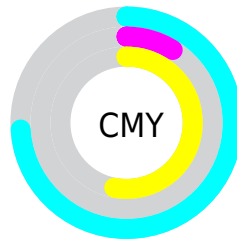
- Red (26%)
- Green (91%)
- Blue (47%)



- Red (26%)
- Yellow (75%)
- Blue (91%)



- Cyan (71%)
- Magenta (0%)
- Yellow (48%)
- Black (9%)





- Cyan (74%)
- Magenta (9%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2739, 59.6906, 27.8042 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 34.2739, 59.6906, 27.8042 by changing the saturation by 10% instead.


 34.2739, 59.6906,
27.8042


 34.2739, 59.6906,
27.8042


312.9161,
423.4564, 305.4126


 23.2680, 43.1693,
17.9404


 65.7008, 104.3807,
57.1910


 14.9133, 30.0180,
10.7382


 86.8526, 133.3183,
77.5511

 8.8445, 19.8522,
5.7791


 112.1170,
167.1635, 102.2470

 4.6962, 12.2877,
2.6446

 141.8594,
206.3006, 131.6972

 2.1030, 6.9399,
0.9154

176.4451,
251.1140, 166.3203

 0.6909, 3.4245,
0.0000

216.2396,

 0.0000, 1.3572,

301.9882, 206.5349

0.0000

261.6081,
359.3075, 252.7595

0.0000, 0.1848,
0.0000

0.0000, 0.0000,
0.0000

34.2739, 59.6906,
27.8042

34.2739, 59.6906,
27.8042

32.1501, 58.6980,
23.1630

37.1794, 61.0722,
33.2717


30.7156, 58.0424,
19.3026


40.9365, 62.8728,
39.5996


29.9167, 57.6900,
16.5800


45.6116, 65.1278,
46.8251


51.2634, 67.8667,
54.9818

 57.9452, 71.1164,
64.1016

 65.7068, 74.9019,
74.2148

 74.5942, 79.2462,
85.3506

 84.6511, 84.1715,
97.5366

 87.8671, 85.6341,
106.5057

Harmonies

Analogous

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



43.5153, 59.6906, 13.5677



34.2739, 59.6906, 27.8042



30.9136, 59.6906, 61.1384

Triad

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



34.2739, 59.6906, 27.8042



55.3718, 59.6906, 201.4638



89.1789, 59.6906, 31.8543

Complementary

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



34.2739, 59.6906, 27.8042



42.7415, 24.0211, 43.4599

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.



93.9826, 59.6906, 69.0061



34.2739, 59.6906, 27.8042



72.3907, 59.6906, 180.9452

Square

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



34.2739, 59.6906, 27.8042



41.5523, 59.6906, 173.2721



87.3350, 59.6906, 125.8769



75.2254, 59.6906, 14.9995

Rectangle

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



34.2739, 59.6906, 27.8042



31.8645, 59.6906, 95.7110



87.3350, 59.6906, 125.8769



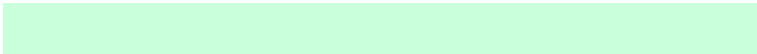
92.0210, 59.6906, 41.6701

Sweetspot

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



34.2754, 59.6930, 27.8056



72.7943, 89.1303, 80.5923



47.4658, 66.7781, 15.5424



15.0532, 18.8205, 16.5433



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.



34.2754, 59.6930, 27.8056



39.2267, 72.9895, 26.4326



41.6637, 62.6483, 66.7117



14.3865, 16.1680, 16.3000



16.8225, 32.3611, 9.5657



1.2850, 2.4081, 0.9274

Inverse Universe

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



42.7415, 24.0211, 43.4599



50.2950, 25.8769, 46.5457



36.9028, 21.6856, 12.7138



14.7802, 14.5293, 17.0427



21.8048, 10.8561, 18.3990



1.6540, 0.8193, 1.5843

Previews

White Background



This preview shows how the XYZ color 34.2739, 59.6906, 27.8042 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 34.2739, 59.6906, 27.8042 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 34.2739, 59.6906, 27.8042

Background



This preview shows how black text looks on a background with the XYZ color 34.2739, 59.6906, 27.8042.

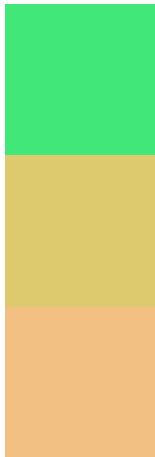


This preview shows how white text looks on a background with the XYZ color 34.2739, 59.6906,

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

34.2739, 59.6906, 27.8042

Protanopia

53.5199, 58.2712, 23.1785

Deuteranopia

59.5643, 58.2152, 29.5700



Tritanopia

46.1556, 59.2631, 88.3631

Trichromacy



Original Color

34.2739, 59.6906, 27.8042



Protanomaly

42.0978, 56.3012, 24.5680



Deuteranomaly

44.2622, 55.1399, 28.3889



Tritanomaly

40.4397, 58.8945, 60.2753

Monochromacy



Original Color

34.2739, 59.6906, 27.8042



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.0329, 44.8718, 36.5732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2739, 59.6906, 27.8042 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(66, 231, 121)` looks like.

```
.text, #text, p{  
    color:rgb(66, 231, 121)  
}
```

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(66, 231, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 231, 121) }
```

Border

The CSS property to change the border of an element to XYZ 34.2739, 59.6906, 27.8042 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(66, 231, 121) }
```


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

```
.border{ border-color:rgb(66, 231, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 231, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 231, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 231, 121);  
box-shadow:4px 4px 4px 4px rgb(66, 231,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2739, 59.6906, 27.8042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 231, 121) }
```

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

```
.background{ background-color: rgb(66, 231,  
121) }
```

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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