

Converting Colors

XYZ(33.8987, 61.6801, 17.6335)

Have a look what the booklet for
XYZ(33.8987, 61.6801, 17.6335)
contains.

XYZ(34.0420, 61.9097, 17.7450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.0420, 61.9097,
17.7450)**

Conversions

Conversions Part 1

Format	Color
Hex	47EC50
RGB	71, 236, 80
RGB Percent	28%, 93%, 31%
CMY	0.7216, 0.0745, 0.6863
CMYK	0.70, 0.00, 0.66, 0.07
HSL	123°, 81%, 60%
HSV	123°, 70%, 93%
XYZ	34.0420, 61.9097, 17.7450
YIQ	168.8810, -48.2640, -83.4960

Conversions

Conversions Part 2

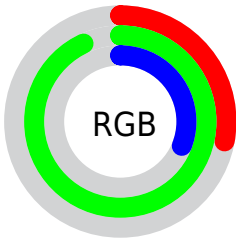
Format	Color
RYB	71, 227, 236
Decimal	4713552
CIELab	82.87, -71.06, 61.21
CIELCh	83, 93.791, 139.258
Yxy	61.9097, 0.2994, 0.5445
Android (android.graphics.Color)	4282903632 (0xFF47EC50)
YUV	168.8810, -43.8183, -85.8416
Hunter-Lab	78.6827, -60.4669, 41.7065

Details

The XYZ color **34.0420, 61.9097, 17.7450** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **50.7120, 27.8863, 75.3833**, and the grayscale version is **37.8817, 39.8545, 43.4015**.

A 20% lighter version of the original color is **50.9484, 78.8447, 35.4550**, and **16.1994, 32.2719, 5.7908** is the 20% darker color. If you saturate the color by 10%, you get **31.9435, 60.9096, 14.0352**, and if you desaturate by 10%, it is **37.0888, 63.3706, 22.9301**.

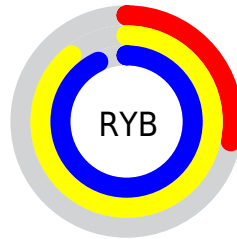
Distribution



Red (28%)

Green (93%)

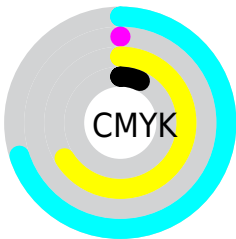
Blue (31%)



Red (28%)

Yellow (89%)

Blue (93%)

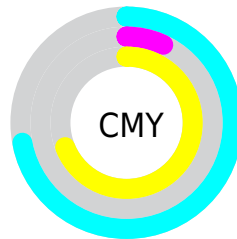


Cyan (70%)

Magenta (0%)

Yellow (66%)

Black (7%)



Cyan (72%)

Magenta (7%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0420, 61.9097, 17.7450 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 34.0420, 61.9097, 17.7450 by changing the saturation by 10% instead.

34.0420, 61.9097,
17.7450

34.0420, 61.9097,
17.7450

311.9019,
431.6016, 251.6174

23.0889, 44.9597,
10.5995

65.3428, 107.5950,
40.4104

14.7802, 31.4257,
5.6875

86.4213, 137.0992,
56.7674

8.7506, 20.9232,
2.5903

111.6056,
171.5568, 77.0319

4.6347, 13.0679,
0.8874

141.2610,
211.3524, 101.6226

2.0671, 7.4753,
0.0000

175.7531,
256.8702, 130.9580

0.6712, 3.7611,
0.0000

215.4470,

0.0000, 1.5408,

308.4948, 165.4565

0.0000

260.7081,
366.6105, 205.5369

■ 0.0000, 0.3172,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.0420, 61.9097,
17.7450

■ 34.0420, 61.9097,
17.7450

■ 31.9435, 60.9096,
14.0352

■ 37.0888, 63.3706,
22.9301

■ 30.6777, 60.3087,
11.6437


■ 41.1735, 65.3303,
29.7184


■ 30.0723, 60.0239,
10.3838


■ 46.3802, 67.8315,
38.2286


■ 30.0685, 60.0221,
10.3773

■ 52.7832, 70.9102,
48.5671

 60.4505, 74.5993,
60.8317

 69.4449, 78.9293,
75.1133

 79.8251, 83.9286,
91.4970

 89.2867, 88.4734,
106.9789

Harmonies

Analogous

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



46.9363, 61.9097, 7.4811



34.0420, 61.9097, 17.7450



28.3305, 61.9097, 48.7245

Triad

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



34.0420, 61.9097, 17.7450



51.8949, 61.9097, 246.4785



103.6707, 61.9097, 36.9661

Complementary

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



34.0420, 61.9097, 17.7450



50.7120, 27.8863, 75.3833

Split Complementary

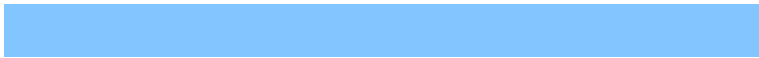
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.8645, 61.9097, 90.3474



34.0420, 61.9097, 17.7450



72.6109, 61.9097, 236.4661

Square

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



34.0420, 61.9097, 17.7450



36.9541, 61.9097, 191.7455



93.4623, 61.9097, 169.2308



88.0173, 61.9097, 13.3652

Rectangle

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



34.0420, 61.9097, 17.7450



28.2233, 61.9097, 86.9429



93.4623, 61.9097, 169.2308



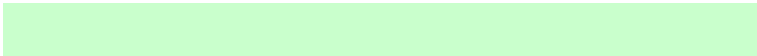
106.1230, 61.9097, 51.0449

Sweetspot

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



34.0435, 61.9123, 17.7464



70.9123, 88.3775, 70.6821



63.0510, 76.9021, 17.4819



14.6133, 18.6446, 14.2271



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.



34.0435, 61.9123, 17.7464



37.2974, 72.2397, 15.2846



39.0950, 63.9329, 44.3472



14.9016, 16.8755, 16.1649



16.5882, 33.0897, 5.7964



1.3143, 2.6030, 0.5171

Inverse Universe

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



50.7120, 27.8863, 75.3833



58.2508, 29.3220, 87.6307



41.9772, 24.3924, 29.3861



15.6772, 15.2988, 18.8517



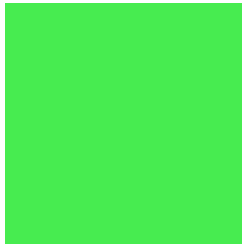
26.4348, 12.7766, 39.6863



2.0866, 1.0076, 3.1736

Previews

White Background



This preview shows how the XYZ color 34.0420, 61.9097, 17.7450 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 34.0420, 61.9097, 17.7450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

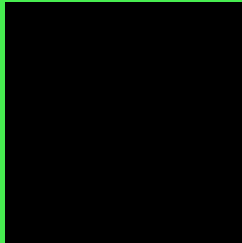
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.0420, 61.9097, 17.7450

Background



This preview shows how black text looks on a background with the XYZ color 34.0420, 61.9097, 17.7450.



This preview shows how white text looks on a background with the XYZ color 34.0420, 61.9097,

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

34.0420, 61.9097, 17.7450

Protanopia

55.2818, 60.7756, 14.7784

Deuteranopia

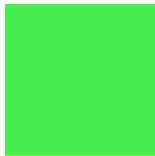
61.7756, 60.2565, 18.7307



Tritanopia

48.6389, 61.6579, 90.9990

Trichromacy



Original Color

34.0420, 61.9097, 17.7450



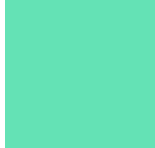
Protanomaly

42.8052, 58.3768, 15.4903



Deuteranomaly

45.0554, 56.8703, 17.8349



Tritanomaly

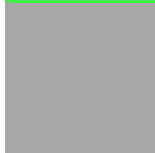
40.7924, 60.4382, 53.2318

Monochromacy



Original Color

34.0420, 61.9097, 17.7450



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

33.2582, 44.9326, 30.5869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0420, 61.9097, 17.7450 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(71, 236, 80)` looks like.

```
.text, #text, p{  
    color:rgb(71, 236, 80)  
}
```

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(71, 236, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 236, 80) }
```

Border

The CSS property to change the border of an element to XYZ 34.0420, 61.9097, 17.7450 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(71, 236, 80) }
```


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

```
.border{ border-color:rgb(71, 236, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 236, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 236, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 236, 80);  
box-shadow:4px 4px 4px 4px rgb(71, 236,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0420, 61.9097, 17.7450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 236, 80) }
```

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

```
.background{ background-color: rgb(71, 236,  
80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor