

Converting Colors

XYZ(37.1794, 62.3721, 34.3902)

Have a look what the booklet for
XYZ(37.1794, 62.3721, 34.3902)
contains.

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Color

**XYZ(37.1436, 62.2875,
34.4911)**

Conversions

Conversions Part 1

Format	Color
Hex	4DEA8B
RGB	77, 234, 139
RGB Percent	30%, 92%, 55%
CMY	0.6980, 0.0823, 0.4549
CMYK	0.67, 0.00, 0.41, 0.08
HSL	144°, 79%, 61%
HSV	144°, 67%, 92%
XYZ	37.1436, 62.2875, 34.4911
YIQ	176.2270, -63.0770, -62.8290

Conversions

Conversions Part 2

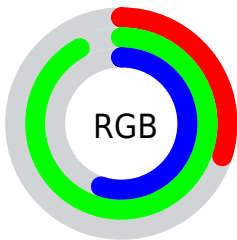
Format	Color
RYB	77, 190, 234
Decimal	5106315
CIELab	83.07, -61.45, 34.47
CIELCh	83, 70.460, 150.714
Yxy	62.2875, 0.2774, 0.4651
Android (android.graphics.Color)	4283296395 (0xFF4DEA8B)
YUV	176.2270, -18.3529, -87.0221
Hunter-Lab	78.9224, -54.1060, 29.3345

Details

The XYZ color **37.1436, 62.2875, 34.4911** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle muted spring green. A complement of this color would be **44.0339, 25.7800, 41.6872**, and the grayscale version is **41.5031, 43.6645, 47.5506**.

A 20% lighter version of the original color is **56.5410, 81.1210, 63.1300**, and **17.4836, 32.1489, 14.5164** is the 20% darker color. If you saturate the color by 10%, you get **34.6157, 61.0979, 29.3181**, and if you desaturate by 10%, it is **40.4874, 63.8856, 40.4045**.

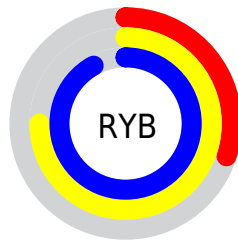
Distribution



Red (30%)

Green (92%)

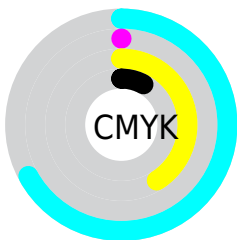
Blue (55%)



Red (30%)

Yellow (75%)

Blue (92%)

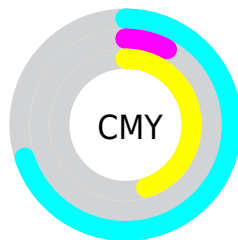


Cyan (67%)

Magenta (0%)

Yellow (41%)

Black (8%)



Cyan (70%)


Magenta (8%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1436, 62.2875, 34.4911 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 37.1436, 62.2875, 34.4911 by changing the saturation by 10% instead.

 37.1436, 62.2875,
34.4911


 37.1436, 62.2875,
34.4911


325.2766,
432.9790, 337.1521


 25.4929, 45.2650,
22.9907


 70.1060, 108.1409,
67.8392


 16.5753, 31.6662,
14.3814


 92.1484, 137.7407,
90.5241

 10.0256, 21.1067,
8.2447


 118.3853,
172.3017, 117.7742

 5.4783, 13.2020,
4.1619

 149.1823,
212.2084, 150.0080

 2.5682, 7.5678,
1.7146

184.9045,
257.8450, 187.6442

 0.9298, 3.8197,
0.3707

225.9174,

 0.0000, 1.5732,

309.5961, 231.1013

0.0000

272.5863,
367.8459, 280.7977

■ 0.0000, 0.3394,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1436, 62.2875,
34.4911

■ 37.1436, 62.2875,
34.4911

■ 34.6157, 61.0979,
29.3181

■ 40.4874, 63.8856,
40.4045

■ 32.8172, 60.2678,
24.8509

■ 44.7127, 65.9204,
47.0827


■ 31.6447, 59.7461,
21.0575


■ 49.8833, 68.4259,
54.5539


■ 31.3736, 59.6278,
20.0748


■ 56.0556, 71.4308,
62.8437

 63.2814, 74.9612,
71.9763

 71.6091, 79.0416,
81.9751

 81.0836, 83.6947,
92.8624

 88.2790, 87.1540,
104.4974

 88.7140, 87.3280,
106.7880

Harmonies

Analogous

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



45.4600, 62.2875, 18.2278



37.1436, 62.2875, 34.4911



34.4671, 62.2875, 68.8718

Triad

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



37.1436, 62.2875, 34.4911



59.5683, 62.2875, 191.1250



88.1416, 62.2875, 33.3497

Complementary

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



37.1436, 62.2875, 34.4911



44.0339, 25.7800, 41.6872

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.



93.6080, 62.2875, 66.7800



37.1436, 62.2875, 34.4911



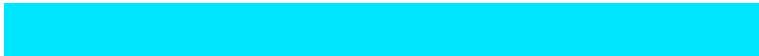
75.4679, 62.2875, 168.5966

Square

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



37.1436, 62.2875, 34.4911



45.9924, 62.2875, 170.5232



88.6186, 62.2875, 117.7200



74.7267, 62.2875, 17.7956

Rectangle

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



37.1436, 62.2875, 34.4911



35.8033, 62.2875, 102.0500



88.6186, 62.2875, 117.7200



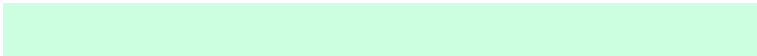
91.0633, 62.2875, 42.2543

Sweetspot

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



37.1452, 62.2900, 34.4925



74.1354, 89.7468, 84.0360



48.1792, 68.3619, 17.6776



15.3327, 18.9479, 17.3127



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.



37.1452, 62.2900, 34.4925



41.0306, 73.7715, 33.2017



44.8391, 65.3676, 75.0079



15.1147, 16.9607, 17.2867



17.6874, 33.5294, 11.5847



1.4350, 2.6513, 1.1527

Inverse Universe

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



44.0339, 25.7800, 41.6872



49.9003, 26.4448, 42.2298



38.6672, 23.6333, 13.4265



15.4483, 15.2072, 17.6460



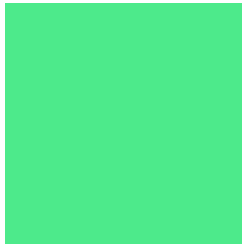
21.8580, 10.9459, 15.5854



1.7635, 0.8784, 1.4720

Previews

White Background



This preview shows how the XYZ color 37.1436, 62.2875, 34.4911 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 37.1436, 62.2875, 34.4911 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 37.1436, 62.2875, 34.4911

Background



This preview shows how black text looks on a background with the XYZ color 37.1436, 62.2875, 34.4911.

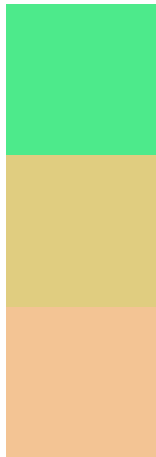


This preview shows how white text looks on a background with the XYZ color 37.1436, 62.2875,

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

37.1436, 62.2875, 34.4911

Protanopia

56.4681, 61.0684, 29.2333

Deuteranopia

62.0474, 60.6727, 36.4577



Tritanopia

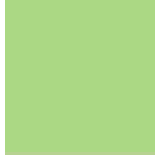
48.4050, 61.9133, 91.8373

Trichromacy



Original Color

37.1436, 62.2875, 34.4911



Protanomaly

45.5153, 59.4356, 30.9031



Deuteranomaly

47.6859, 58.2048, 35.5094



Tritanomaly

43.1214, 61.3572, 66.0703

Monochromacy



Original Color

37.1436, 62.2875, 34.4911



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

37.3923, 48.1523, 41.9739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1436, 62.2875, 34.4911 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(77, 234, 139)` looks like.

```
.text, #text, p{  
    color:rgb(77, 234, 139)  
}
```

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(77, 234, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 234, 139) }
```

Border

The CSS property to change the border of an element to XYZ 37.1436, 62.2875, 34.4911 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(77, 234, 139) }
```


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

```
.border{ border-color:rgb(77, 234, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 234, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 234, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 234, 139);  
box-shadow:4px 4px 4px 4px rgb(77, 234,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1436, 62.2875, 34.4911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 234, 139) }
```

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

```
.background{ background-color: rgb(77, 234,  
139) }
```

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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