

Converting Colors

XYZ(36.7740, 62.4402, 38.2970)

Have a look what the booklet for
XYZ(36.7740, 62.4402, 38.2970)
contains.

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Color

**XYZ(36.7410, 62.4246,
38.1297)**

Conversions

Conversions Part 1

Format	Color
Hex	39EB94
RGB	57, 235, 148
RGB Percent	22%, 92%, 58%
CMY	0.7764, 0.0784, 0.4196
CMYK	0.76, 0.00, 0.37, 0.08
HSL	151°, 82%, 57%
HSV	151°, 76%, 92%
XYZ	36.7410, 62.4246, 38.1297
YIQ	171.8600, -78.1610, -64.7930

Conversions

Conversions Part 2

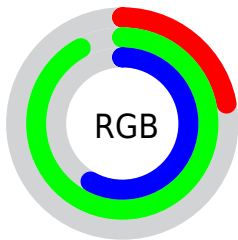
Format	Color
RYB	57, 175, 235
Decimal	3795860
CIELab	83.14, -63.09, 29.96
CIElCh	83, 69.844, 154.601
Yxy	62.4246, 0.2676, 0.4547
Android (android.graphics.Color)	4281985940 (0xFF39EB94)
YUV	171.8600, -11.7630, -100.7322
Hunter-Lab	79.0092, -55.2598, 26.6932

Details

The XYZ color **36.7410, 62.4246, 38.1297** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle washed spring green. A complement of this color would be **40.7602, 22.6035, 28.6030**, and the grayscale version is **39.2295, 41.2725, 44.9458**.

A 20% lighter version of the original color is **55.5928, 80.4989, 69.1077**, and **18.0317, 32.6853, 16.4249** is the 20% darker color. If you saturate the color by 10%, you get **34.8337, 61.5429, 33.5284**, and if you desaturate by 10%, it is **39.3612, 63.6667, 43.2382**.

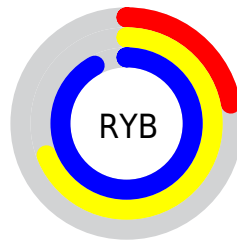
Distribution



Red (22%)

Green (92%)

Blue (58%)



Red (22%)

Yellow (69%)

Blue (92%)

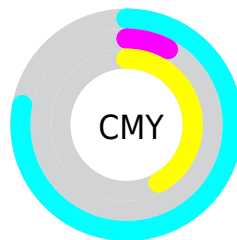


Cyan (76%)

Magenta (0%)

Yellow (37%)

Black (8%)



Cyan (78%)


Magenta (8%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7410, 62.4246, 38.1297 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 36.7410, 62.4246, 38.1297 by changing the saturation by 10% instead.


 36.7410, 62.4246,
38.1297


 36.7410, 62.4246,
38.1297


323.5629,
433.4782, 353.4909


 25.1798, 45.3759,
25.7808


 69.4907, 108.3390,
73.5125


 16.3405, 31.7536,
16.4354

 91.4099, 137.9734,
97.3835

 9.8578, 21.1734,
9.6751


 117.5124,
172.5718, 125.9322

 5.3663, 13.2508,
5.0813

 148.1636,
212.5187, 159.5772

 2.5007, 7.6015,
2.2355

183.7289,
258.1984, 198.7370

 0.8956, 3.8410,
0.6947

224.5737,

 0.0000, 1.5850,

309.9953, 243.8302

0.0000

271.0632,
368.2937, 295.2753

■ 0.0000, 0.3475,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7410, 62.4246,
38.1297

■ 36.7410, 62.4246,
38.1297

■ 34.8337, 61.5429,
33.5284

■ 39.3612, 63.6667,
43.2382


■ 33.5382, 60.9649,
29.4117


■ 42.7675, 65.3017,
48.8662


■ 33.1081, 60.7783,
27.8001


■ 47.0289, 67.3665,
55.0310


■ 52.2051, 69.8916,
61.7474

 58.3504, 72.9048,
69.0298

 65.5144, 76.4314,
76.8917

 73.7436, 80.4951,
85.3463

 83.0812, 85.1179,
94.4062

 88.4221, 87.6679,
103.8429

Harmonies

Analogous

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



44.2978, 62.4246, 19.8678



36.7410, 62.4246, 38.1297



34.8013, 62.4246, 74.8751

Triad

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



36.7410, 62.4246, 38.1297



61.6972, 62.4246, 189.4413



86.6463, 62.4246, 30.7849

Complementary

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



36.7410, 62.4246, 38.1297



40.7602, 22.6035, 28.6030

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.



93.3132, 62.4246, 61.5026



36.7410, 62.4246, 38.1297



77.4343, 62.4246, 162.2066

Square

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



36.7410, 62.4246, 38.1297



47.7085, 62.4246, 174.4378



89.6851, 62.4246, 110.3368



72.7065, 62.4246, 17.0669

Rectangle

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



36.7410, 62.4246, 38.1297



36.6168, 62.4246, 108.8909



89.6851, 62.4246, 110.3368



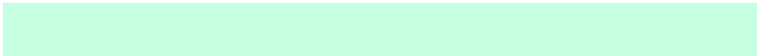
89.9108, 62.4246, 38.8493

Sweetspot

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



36.7426, 62.4271, 38.1311



72.3894, 88.8121, 85.5186



42.3030, 65.8258, 14.3477



14.8650, 18.7001, 17.5923



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.



36.7426, 62.4271, 38.1311



40.9632, 73.6419, 37.4813



46.3931, 66.2873, 88.9498



15.1897, 16.9907, 17.6820



18.4903, 33.8506, 15.8126



1.5005, 2.6775, 1.4976

Inverse Universe

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



40.7602, 22.6035, 28.6030



46.0157, 23.6589, 25.5722



36.4643, 20.8851, 5.9810



15.3723, 15.1768, 17.2459



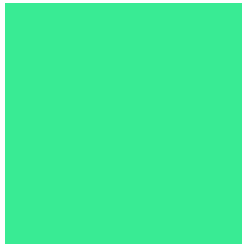
20.8497, 10.5426, 10.2760



1.6857, 0.8472, 1.0622

Previews

White Background



This preview shows how the XYZ color 36.7410, 62.4246, 38.1297 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 36.7410, 62.4246, 38.1297 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 36.7410, 62.4246, 38.1297

Background



This preview shows how black text looks on a background with the XYZ color 36.7410, 62.4246, 38.1297.

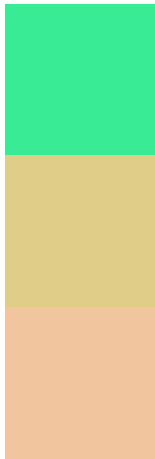


This preview shows how white text looks on a background with the XYZ color 36.7410, 62.4246,

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

36.7410, 62.4246, 38.1297

Protanopia

56.7067, 61.1282, 32.1027

Deuteranopia

62.3277, 61.0676, 40.4005



Tritanopia

47.7197, 62.3188, 93.5180

Trichromacy



Original Color

36.7410, 62.4246, 38.1297



Protanomaly

44.3937, 58.7917, 33.8191



Deuteranomaly

46.5826, 57.9203, 39.2964



Tritanomaly

42.6958, 61.8799, 69.3682

Monochromacy



Original Color

36.7410, 62.4246, 38.1297



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.3319, 46.4204, 41.7482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7410, 62.4246, 38.1297 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(57, 235, 148)` looks like.

```
.text, #text, p{  
    color:rgb(57, 235, 148)  
}
```

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(57, 235, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 235, 148) }
```

Border

The CSS property to change the border of an element to XYZ 36.7410, 62.4246, 38.1297 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(57, 235, 148) }
```


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

```
.border{ border-color:rgb(57, 235, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 235, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 235, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 235, 148);  
box-shadow:4px 4px 4px 4px rgb(57, 235,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7410, 62.4246, 38.1297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 235, 148) }
```

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

```
.background{ background-color: rgb(57, 235,  
148) }
```

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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