

Converting Colors

XYZ(36.8747, 63.3466, 38.4808)

Have a look what the booklet for
XYZ(36.8747, 63.3466, 38.4808)
contains.

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Color

**XYZ(36.8484, 63.3349,
38.2997)**

Conversions

Conversions Part 1

Format	Color
Hex	30ED94
RGB	48, 237, 148
RGB Percent	19%, 93%, 58%
CMY	0.8117, 0.0706, 0.4196
CMYK	0.80, 0.00, 0.38, 0.07
HSL	152°, 84%, 56%
HSV	152°, 80%, 93%
XYZ	36.8484, 63.3349, 38.2997
YIQ	170.3430, -84.0750, -67.7470

Conversions

Conversions Part 2

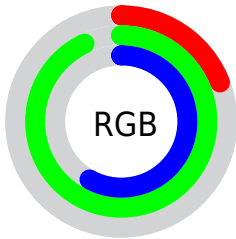
Format	Color
RYB	48, 172, 237
Decimal	3206548
CIELab	83.62, -64.81, 30.58
CIELCh	84, 71.656, 154.742
Yxy	63.3349, 0.2661, 0.4573
Android (android.graphics.Color)	4281396628 (0xFF30ED94)
YUV	170.3430, -11.0151, -107.2948
Hunter-Lab	79.5832, -56.6221, 27.1747

Details

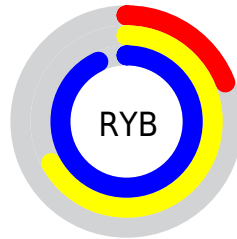
The XYZ color **36.8484, 63.3349, 38.2997** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **40.4994, 21.9259, 25.7671**, and the grayscale version is **38.4647, 40.4679, 44.0696**.

A 20% lighter version of the original color is **54.9969, 80.1918, 69.0798**, and **18.4326, 33.4870, 16.5585** is the 20% darker color. If you saturate the color by 10%, you get **35.1734, 62.5703, 33.8309**, and if you desaturate by 10%, it is **39.2082, 64.4460, 43.2481**.

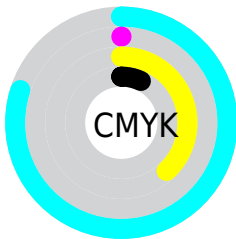
Distribution



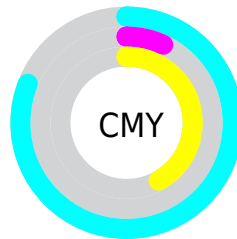
- Red (19%)
- Green (93%)
- Blue (58%)



- Red (19%)
- Yellow (67%)
- Blue (93%)



- Cyan (80%)
- Magenta (0%)
- Yellow (38%)
- Black (7%)





- Cyan (81%)
- Magenta (7%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8484, 63.3349, 38.2997 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 36.8484, 63.3349, 38.2997 by changing the saturation by 10% instead.


 36.8484, 63.3349,
38.2997


 36.8484, 63.3349,
38.2997


324.0207,
436.7839, 354.2405


 25.2633, 46.1122,
25.9117


 69.6549, 109.6525,
73.7758


 16.4031, 32.3344,
16.5325


 91.6070, 139.5162,
97.7010


 9.9025, 21.6170,
9.7433


 117.7455,
174.3624, 126.3090

 5.3961, 13.5758,
5.1257

 148.4356,
214.5754, 160.0184

 2.5186, 7.8262,
2.2612

 184.0429,
260.5397, 199.2477

 0.9047, 3.9839,
0.7094

224.9326,

 0.0000, 1.6646,

312.6396, 244.4155

0.0000

271.4700,
371.2595, 295.9402

■ 0.0000, 0.4006,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.8484, 63.3349,
38.2997

■ 36.8484, 63.3349,
38.2997

■ 35.1734, 62.5703,
33.8309

■ 39.2082, 64.4460,
43.2481


■ 34.0383, 62.0728,
29.8181


■ 42.3334, 65.9400,
48.6876


■ 34.0124, 62.0616,
29.7215


■ 46.2981, 67.8564,
54.6348


■ 51.1658, 70.2276,
61.1036

 56.9937, 73.0830,
68.1076

 63.8340, 76.4493,
75.6596

 71.7352, 80.3511,
83.7721

 80.7423, 84.8115,
92.4568

 88.5385, 88.6360,
101.6150

Harmonies

Analogous

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



44.6046, 63.3349, 19.5727



36.8484, 63.3349, 38.2997



34.8817, 63.3349, 76.3457

Triad

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



36.8484, 63.3349, 38.2997



62.7241, 63.3349, 195.6961



88.5137, 63.3349, 30.5411

Complementary

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



36.8484, 63.3349, 38.2997



40.4994, 21.9259, 25.7671

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.



95.5040, 63.3349, 62.0685



36.8484, 63.3349, 38.2997



79.0580, 63.3349, 166.9778

Square

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



36.8484, 63.3349, 38.2997



48.2325, 63.3349, 180.1782



91.7748, 63.3349, 112.7341



73.9947, 63.3349, 16.6498

Rectangle

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



36.8484, 63.3349, 38.2997



36.7659, 63.3349, 111.7605



91.7748, 63.3349, 112.7341



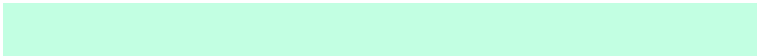
91.9266, 63.3349, 38.7771

Sweetspot

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



36.8500, 63.3374, 38.3012



71.7091, 88.4638, 85.3770



41.5258, 66.3037, 13.4061



14.7411, 18.6360, 17.5972



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.



36.8500, 63.3374, 38.3012



40.6008, 73.4710, 36.7447



45.8871, 65.5058, 90.3493



15.2014, 16.9954, 17.7432



18.6358, 33.9088, 16.5789



1.5119, 2.6821, 1.5576

Inverse Universe

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



40.4994, 21.9259, 25.7671



45.0831, 22.9744, 21.6212



36.6506, 20.5999, 4.8414



15.3607, 15.1721, 17.1849



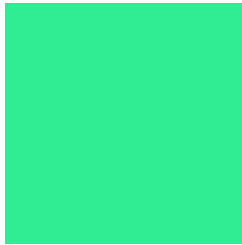
20.7178, 10.4898, 9.5810



1.6751, 0.8430, 1.0065

Previews

White Background



This preview shows how the XYZ color 36.8484, 63.3349, 38.2997 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 36.8484, 63.3349, 38.2997 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

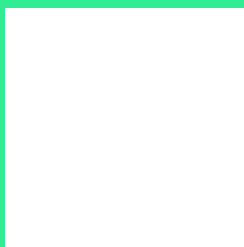
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8484, 63.3349, 38.2997

Background



This preview shows how black text looks on a background with the XYZ color 36.8484, 63.3349, 38.2997.

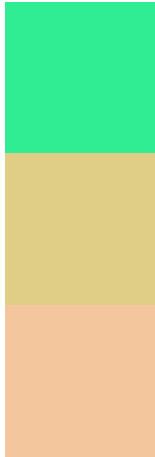


This preview shows how white text looks on a background with the XYZ color 36.8484, 63.3349,

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

36.8484, 63.3349, 38.2997

Protanopia

57.1850, 61.7392, 31.8246

Deuteranopia

63.2420, 61.8772, 40.5086



Tritanopia

47.9737, 62.8150, 95.1840

Trichromacy



Original Color

36.8484, 63.3349, 38.2997



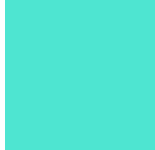
Protanomaly

44.0437, 58.9927, 33.8763



Deuteranomaly

46.3895, 58.1907, 39.3588



Tritanomaly

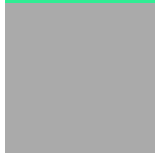
42.6698, 62.2618, 70.0904

Monochromacy



Original Color

36.8484, 63.3349, 38.2997



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.4176, 45.6278, 41.1755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8484, 63.3349, 38.2997 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(48, 237, 148)` looks like.

```
.text, #text, p{  
    color:rgb(48, 237, 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(48, 237, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 237, 148) }
```

Border

The CSS property to change the border of an element to XYZ 36.8484, 63.3349, 38.2997 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(48, 237, 148) }
```


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

```
.border{ border-color:rgb(48, 237, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 237, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 237, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 237, 148);  
box-shadow:4px 4px 4px 4px rgb(48, 237,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8484, 63.3349, 38.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 237, 148) }
```

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

```
.background{ background-color: rgb(48, 237,  
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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