

Converting Colors

XYZ(37.0310, 64.3840, 32.7943)

Have a look what the booklet for
XYZ(37.0310, 64.3840, 32.7943)
contains.

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Color

**XYZ(37.0246, 64.4186,
32.6729)**

Conversions

Conversions Part 1

Format	Color
Hex	3DEF85
RGB	61, 239, 133
RGB Percent	24%, 94%, 52%
CMY	0.7608, 0.0627, 0.4784
CMYK	0.74, 0.00, 0.44, 0.06
HSL	144°, 85%, 59%
HSV	144°, 74%, 94%
XYZ	37.0246, 64.4186, 32.6729
YIQ	173.6940, -72.0620, -70.7020

Conversions

Conversions Part 2

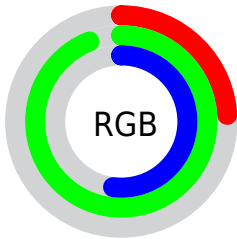
Format	Color
RYB	61, 188, 239
Decimal	4059013
CIELab	84.18, -66.66, 38.83
CIELCh	84, 77.147, 149.778
Yxy	64.4186, 0.2761, 0.4803
Android (android.graphics.Color)	4282249093 (0xFF3DEF85)
YUV	173.6940, -20.0621, -98.8326
Hunter-Lab	80.2612, -58.1148, 32.0469

Details

The XYZ color **37.0246, 64.4186, 32.6729** 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 **44.2424, 24.4794, 38.9545**, and the grayscale version is **40.2027, 42.2963, 46.0607**.

A 20% lighter version of the original color is **54.2454, 80.0134, 59.5988**, and **18.2132, 34.0500, 13.3970** is the 20% darker color. If you saturate the color by 10%, you get **34.9503, 63.4571, 27.7868**, and if you desaturate by 10%, it is **39.8903, 65.7763, 38.2945**.

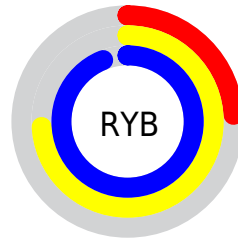
Distribution



Red (24%)

Green (94%)

Blue (52%)



Red (24%)

Yellow (74%)

Blue (94%)

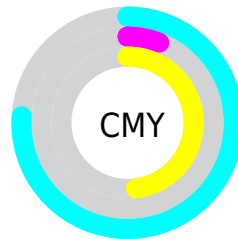


Cyan (74%)

Magenta (0%)

Yellow (44%)

Black (6%)



Cyan (76%)


Magenta (6%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0246, 64.4186, 32.6729 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 37.0246, 64.4186, 32.6729 by changing the saturation by 10% instead.


 37.0246, 64.4186,
32.6729


 37.0246, 64.4186,
32.6729


324.7707,
440.6997, 328.7599


 25.4003, 46.9898,
21.6069


 69.9242, 111.2136,
64.9746


 16.5059, 33.0276,
13.3728

 91.9302, 141.3485,
87.0474

 9.9759, 22.1476,
7.5520


 118.1275,
176.4877, 113.6263

 5.4451, 13.9654,
3.7260

 148.8815,
217.0154, 145.1297

 2.5482, 8.0966,
1.4763

184.5574,
263.3160, 181.9763

 0.9196, 4.1568,
0.2002

225.5207,

 0.0000, 1.7617,

315.7740, 224.5844

0.0000

272.1366,
374.7738, 273.3728

0.0000, 0.4631,
0.0000

0.0000, 0.0000,
0.0000

37.0246, 64.4186,
32.6729

37.0246, 64.4186,
32.6729

34.9503, 63.4571,
27.7868

39.8903, 65.7763,
38.2945


33.5628, 62.8330,
23.5992


43.6247, 67.5640,
44.6772


33.0103, 62.5925,
21.5717


48.3009, 69.8208,
51.8507


53.9824, 72.5787,
59.8416

 60.7271, 75.8672,
68.6752

 68.5882, 79.7132,
78.3759

 77.6154, 84.1418,
88.9666

 87.8552, 89.1766,
100.4698

 90.1577, 90.2155,
107.2692

Harmonies

Analogous

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



46.3337, 64.4186, 16.1047



37.0246, 64.4186, 32.6729



33.9259, 64.4186, 69.7770

Triad

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



37.0246, 64.4186, 32.6729



61.1007, 64.4186, 212.3454



94.3555, 64.4186, 33.0538

Complementary

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



37.0246, 64.4186, 32.6729



44.2424, 24.4794, 38.9545

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.



100.2550, 64.4186, 70.5061



37.0246, 64.4186, 32.6729



79.0142, 64.4186, 187.4213

Square

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



37.0246, 64.4186, 32.6729



46.1509, 64.4186, 186.7202



94.1857, 64.4186, 128.8792



79.2758, 64.4186, 16.2418

Rectangle

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



37.0246, 64.4186, 32.6729



35.2485, 64.4186, 106.9898



94.1857, 64.4186, 128.8792



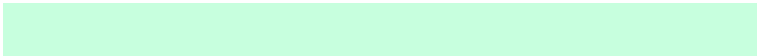
97.5902, 64.4186, 42.9040

Sweetspot

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



37.0262, 64.4212, 32.6744



72.4168, 88.9005, 82.1636



47.8168, 70.3757, 15.4790



15.0001, 18.7840, 16.9553



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.



37.0262, 64.4212, 32.6744



39.6213, 73.1200, 29.7467



45.8708, 67.9590, 79.2490



15.8309, 17.7624, 18.1323



18.3025, 34.6130, 12.2417



1.5706, 2.8987, 1.2712

Inverse Universe

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



44.2424, 24.4794, 38.9545



48.2853, 24.7444, 36.9760



38.6711, 22.2509, 9.6163



16.1679, 15.9169, 18.4404



22.4499, 11.2524, 15.5516



1.9167, 0.9557, 1.5524

Previews

White Background



This preview shows how the XYZ color 37.0246, 64.4186, 32.6729 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 37.0246, 64.4186, 32.6729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

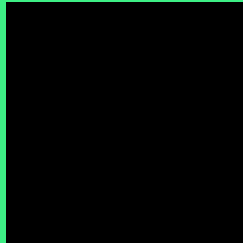
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

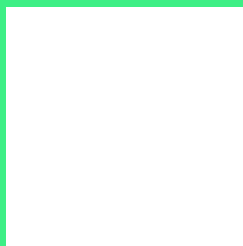
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0246, 64.4186, 32.6729

Background



This preview shows how black text looks on a background with the XYZ color 37.0246, 64.4186, 32.6729.

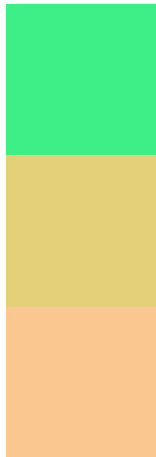


This preview shows how white text looks on a background with the XYZ color 37.0246, 64.4186,

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

37.0246, 64.4186, 32.6729

Protanopia

58.0020, 62.9862, 27.1897

Deuteranopia

64.4483, 62.9698, 34.7442



Tritanopia

49.5035, 63.9885, 96.1281

Trichromacy



Original Color

37.0246, 64.4186, 32.6729



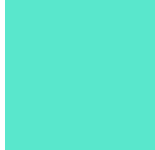
Protanomaly

44.9695, 60.3592, 28.6824



Deuteranomaly

47.7628, 59.7810, 33.4476



Tritanomaly

43.5948, 63.6353, 67.1119

Monochromacy



Original Color

37.0246, 64.4186, 32.6729



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

36.1250, 47.8779, 40.1383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0246, 64.4186, 32.6729 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(61, 239, 133)` looks like.

```
.text, #text, p{  
    color:rgb(61, 239, 133)  
}
```

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(61, 239, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 239, 133) }
```

Border

The CSS property to change the border of an element to XYZ 37.0246, 64.4186, 32.6729 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(61, 239, 133) }
```


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

```
.border{ border-color:rgb(61, 239, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 239, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 239, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 239, 133);  
box-shadow:4px 4px 4px 4px rgb(61, 239,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0246, 64.4186, 32.6729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 239, 133) }
```

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

```
.background{ background-color: rgb(61, 239,  
133) }
```

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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