

Converting Colors

XYZ(46.6108, 63.3499, 37.2386)

Have a look what the booklet for
XYZ(46.6108, 63.3499, 37.2386)
contains.

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Color

**XYZ(46.6889, 63.4306,
37.3863)**

Conversions

Conversions Part 1

Format	Color
Hex	A0E193
RGB	160, 225, 147
RGB Percent	63%, 88%, 58%
CMY	0.3725, 0.1176, 0.4235
CMYK	0.29, 0.00, 0.35, 0.12
HSL	110°, 57%, 73%
HSV	110°, 35%, 88%
XYZ	46.6889, 63.4306, 37.3863
YIQ	196.6730, -13.7020, -38.0380

Conversions

Conversions Part 2

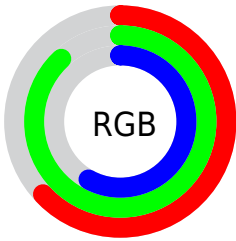
Format	Color
RYB	147, 225, 212
Decimal	10543507
CIELab	83.67, -35.09, 31.79
CIELCh	84, 47.352, 137.824
Yxy	63.4306, 0.3165, 0.4300
Android (android.graphics.Color)	4288733587 (0xFFA0E193)
YUV	196.6730, -24.4888, -32.1622
Hunter-Lab	79.6433, -34.7347, 27.9183

Details

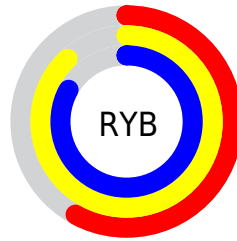
The XYZ color **46.6889, 63.4306, 37.3863** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **51.1784, 40.3026, 76.3193**, and the grayscale version is **53.0240, 55.7854, 60.7502**.

A 20% lighter version of the original color is **74.7396, 90.3832, 69.3836**, and **22.1974, 32.2663, 15.8846** is the 20% darker color. If you saturate the color by 10%, you get **41.6235, 61.0056, 28.8171**, and if you desaturate by 10%, it is **52.6683, 66.2906, 47.8035**.

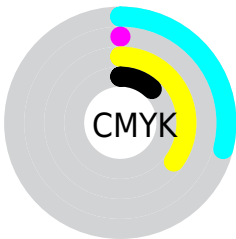
Distribution



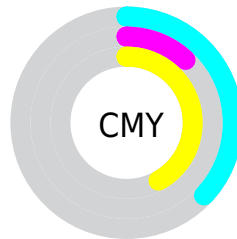
- Red (63%)
- Green (88%)
- Blue (58%)



- Red (58%)
- Yellow (88%)
- Blue (83%)



- Cyan (29%)
- Magenta (0%)
- Yellow (35%)
- Black (12%)





- Cyan (37%)
- Magenta (12%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6889, 63.4306, 37.3863 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 46.6889, 63.4306, 37.3863 by changing the saturation by 10% instead.


 46.6889, 63.4306,
37.3863

 46.6889, 63.4306,
37.3863


364.2411,
437.1305, 350.1989

 32.9967, 46.1896,
25.2086


 84.4706, 109.7905,
72.3595

 22.2831, 32.3955,
16.0121


 109.2909,
139.6782, 95.9920

 14.1829, 21.6638,
9.3783


138.5512,
174.5504, 124.2799

 8.3305, 13.6101,
4.8886

172.6169,
214.7913, 157.6418

 4.3607, 7.8500,
2.1244

211.8534,
260.7853, 196.4960

 1.9082, 3.9991,
0.6303

256.6260,

 0.5816, 1.6731,

312.9170, 241.2613

0.0000

307.3001,
371.5706, 292.3561

0.0000, 0.4061,
0.0000

0.0000, 0.0000,
0.0000

46.6889, 63.4306,
37.3863

46.6889, 63.4306,
37.3863

41.6235, 61.0056,
28.8171

52.6683, 66.2906,
47.8035

37.4217, 58.9864,
21.9839

59.5991, 69.5972,
60.1634

34.0358, 57.3528,
16.7694

67.5224, 73.3714,
74.5594

31.4111, 56.0796,
13.0398

76.4756, 77.6306,
91.0774

■ 29.4859, 55.1382,
10.6401

■ 85.7601, 82.0977,
105.9341

■ 28.1881, 54.4957,
9.3809

■ 86.2165, 82.3330,
105.9555

■ 27.7073, 54.2555,
9.0120

Harmonies

Analogous

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



54.3904, 63.4306, 27.7233



46.6889, 63.4306, 37.3863



42.8260, 63.4306, 57.7093

Triad

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



46.6889, 63.4306, 37.3863



56.1811, 63.4306, 141.2571



81.3287, 63.4306, 53.0218

Complementary

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



46.6889, 63.4306, 37.3863



51.1784, 40.3026, 76.3193

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.



81.9510, 63.4306, 81.8208



46.6889, 63.4306, 37.3863



66.5992, 63.4306, 138.9242

Square

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



46.6889, 63.4306, 37.3863



47.8700, 63.4306, 120.6051



76.3025, 63.4306, 114.9284



74.6889, 63.4306, 34.8060

Rectangle

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



46.6889, 63.4306, 37.3863



42.6170, 63.4306, 77.1323



76.3025, 63.4306, 114.9284



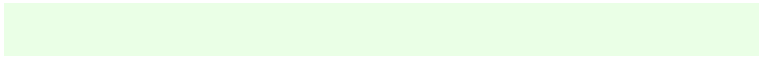
82.2740, 63.4306, 61.5810

Sweetspot

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



46.6905, 63.4333, 37.3877



83.8223, 94.6552, 88.3477



59.8640, 65.2041, 37.0352



17.6272, 20.1104, 18.3403



0.0000, 0.0000, 0.0000



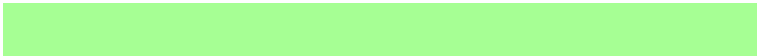
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.6905, 63.4333, 37.3877



56.7704, 81.7347, 40.7598



46.5026, 63.0735, 49.2602



13.7405, 15.4464, 14.5640



16.0314, 31.2970, 5.1960



1.1765, 2.2030, 0.3632

Inverse Universe

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



51.1784, 40.3026, 76.3193



63.6002, 46.3992, 100.2116



51.7961, 41.0001, 59.2191



14.0591, 13.8140, 17.3131



19.7977, 9.3014, 41.8003



1.4326, 0.6758, 2.9002

Previews

White Background



This preview shows how the XYZ color 46.6889, 63.4306, 37.3863 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 46.6889, 63.4306, 37.3863 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

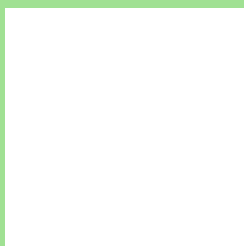
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6889, 63.4306, 37.3863

Background



This preview shows how black text looks on a background with the XYZ color 46.6889, 63.4306, 37.3863.

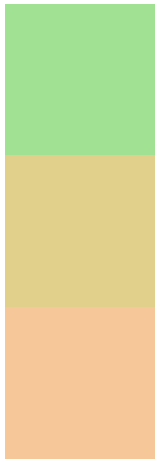


This preview shows how white text looks on a background with the XYZ color 46.6889, 63.4306,

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

46.6889, 63.4306, 37.3863

Protanopia

58.3408, 63.0128, 33.8987

Deuteranopia

64.1792, 62.7396, 38.8643



Tritanopia

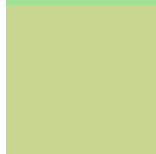
56.5451, 63.5410, 85.6283

Trichromacy



Original Color

46.6889, 63.4306, 37.3863



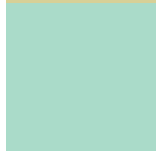
Protanomaly

53.0919, 62.4938, 35.2509



Deuteranomaly

56.1661, 61.7932, 38.2452



Tritanomaly

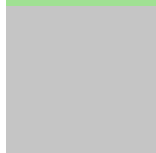
52.4517, 63.4261, 64.7363

Monochromacy



Original Color

46.6889, 63.4306, 37.3863



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.2167, 58.0707, 51.2099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6889, 63.4306, 37.3863 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(160, 225, 147)` looks like.

```
.text, #text, p{  
    color:rgb(160, 225, 147)  
}
```

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(160, 225, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 225, 147) }
```

Border

The CSS property to change the border of an element to XYZ 46.6889, 63.4306, 37.3863 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(160, 225, 147) }
```


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

```
.border{ border-color:rgb(160, 225, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 225, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 225, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 225, 147);  
box-shadow:4px 4px 4px 4px rgb(160, 225,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6889, 63.4306, 37.3863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 225, 147) }
```

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

```
.background{ background-color: rgb(160,  
225, 147) }
```

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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