

Converting Colors

XYZ(37.3038, 57.1267, 46.4044)

Have a look what the booklet for
XYZ(37.3038, 57.1267, 46.4044)
contains.

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Color

**XYZ(37.4025, 57.2310,
46.6115)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 59DEA9 |
| RGB | 89, 222, 169 |
| RGB Percent | 35%, 87%, 66% |
| CMY | 0.6510, 0.1294, 0.3372 |
| CMYK | 0.60, 0.00, 0.24, 0.13 |
| HSL | 156°, 67%, 61% |
| HSV | 156°, 60%, 87% |
| XYZ | 37.4025, 57.2310, 46.6115 |
| YIQ | 176.1910, -62.2550, -44.6790 |

Conversions

Conversions Part 2

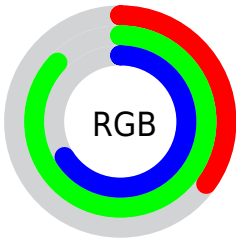
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 89, 172, 222 |
| Decimal | 5889705 |
| CIELab | 80.31, -48.72, 15.32 |
| CIELCh | 80, 51.076, 162.548 |
| Yxy | 57.2310, 0.2648, 0.4052 |
| Android (android.graphics.Color) | 4284079785 (0xFF59DEA9) |
| YUV | 176.1910, -3.5452, -76.4665 |
| Hunter-Lab | 75.6512, -44.1378, 16.4250 |

Details

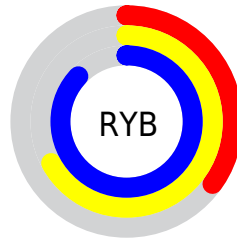
The XYZ color **37.4025, 57.2310, 46.6115** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **38.5809, 24.6286, 28.3135**, and the grayscale version is **41.4090, 43.5654, 47.4428**.

A 20% lighter version of the original color is **61.7922, 83.3858, 83.3593**, and **16.8471, 28.5568, 21.4537** is the 20% darker color. If you saturate the color by 10%, you get **34.7823, 55.9745, 42.2998**, and if you desaturate by 10%, it is **40.7242, 58.8457, 51.2520**.

Distribution



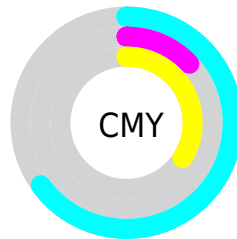
- Red (35%)
- Green (87%)
- Blue (66%)



- Red (35%)
- Yellow (67%)
- Blue (87%)



- Cyan (60%)
- Magenta (0%)
- Yellow (24%)
- Black (13%)





- Cyan (65%)
- Magenta (13%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4025, 57.2310, 46.6115 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 37.4025, 57.2310, 46.6115 by changing the saturation by 10% instead.


 37.4025, 57.2310,
46.6115


 37.4025, 57.2310,
46.6115


326.3752,
414.3143, 389.6104

 25.6944, 41.1907,
32.3765


 70.5012, 100.8022,
86.4773


 16.7266, 28.4681,
21.3820


 92.6225, 129.1019,
112.9452

 10.1339, 18.6789,
13.2096


 118.9456,
162.2568, 144.3278

 5.5508, 11.4385,
7.4406

 149.8359,
200.6514, 181.0437

 2.6119, 6.3626,
3.6566

185.6586,
244.6701, 223.5113

 0.9520, 3.0668,
1.4389

226.7791,

 0.0000, 1.1667,

294.6972, 272.1493

0.1718

273.5629,
351.1171, 327.3762

■ 0.0000, 0.0342,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.4025, 57.2310,
46.6115

■ 37.4025, 57.2310,
46.6115

■ 34.7823, 55.9745,
42.2998

■ 40.7242, 58.8457,
51.2520

■ 32.7980, 55.0379,
38.3042


■ 44.7962, 60.8390,
56.2254


■ 31.3793, 54.3867,
34.6168

■ 49.6680, 63.2379,
61.5406


■ 30.4010, 53.9564,
31.2256

■ 55.3835, 66.0649,
67.2051


 30.3929, 53.9529,
31.1962

 61.9834, 69.3408,
73.2260

 69.5056, 73.0851,
79.6099

 77.9856, 77.3160,
86.3636

 83.0576, 79.7827,
93.2875

 84.4028, 80.3208,
100.3714

Harmonies

Analogous

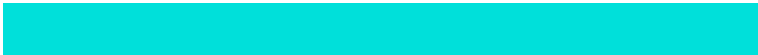
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.9175, 57.2310, 28.8266



37.4025, 57.2310, 46.6115



37.0572, 57.2310, 75.6614

Triad

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



37.4025, 57.2310, 46.6115



58.8762, 57.2310, 136.9831



70.5695, 57.2310, 30.9579

Complementary

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



37.4025, 57.2310, 46.6115



38.5809, 24.6286, 28.3135

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.



76.4430, 57.2310, 50.6380



37.4025, 57.2310, 46.6115



69.1344, 57.2310, 115.0023

Square

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



37.4025, 57.2310, 46.6115



48.5943, 57.2310, 134.8416



75.8866, 57.2310, 81.1998



60.6428, 57.2310, 21.9811

Rectangle

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



37.4025, 57.2310, 46.6115



39.1662, 57.2310, 98.6539



75.8866, 57.2310, 81.1998



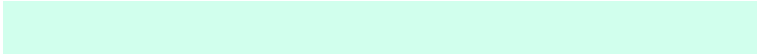
73.1371, 57.2310, 36.2151

Sweetspot

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



37.4040, 57.2333, 46.6128



77.3263, 91.1873, 93.4230



39.1159, 58.7348, 18.7272



16.0202, 19.2547, 19.4935



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.



37.4040, 57.2333, 46.6128



46.8143, 76.2453, 56.4155



40.0333, 52.8539, 77.2019



13.8732, 15.4750, 16.3676



18.1083, 32.0682, 18.8254



1.2990, 2.2403, 1.5356

Inverse Universe

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



38.5809, 24.6286, 28.3135



48.5962, 27.8485, 29.4270



36.7099, 25.8140, 12.4996



13.9324, 13.7906, 15.4141



19.0024, 9.6680, 6.6784



1.3604, 0.6875, 0.6909

Previews

White Background



This preview shows how the XYZ color 37.4025, 57.2310, 46.6115 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 37.4025, 57.2310, 46.6115 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

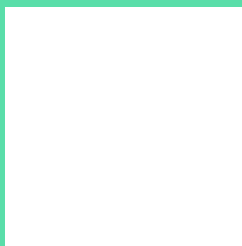
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4025, 57.2310, 46.6115

Background



This preview shows how black text looks on a background with the XYZ color 37.4025, 57.2310, 46.6115.

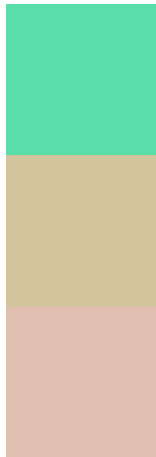


This preview shows how white text looks on a background with the XYZ color 37.4025, 57.2310,

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

37.4025, 57.2310, 46.6115

Protanopia

52.6304, 56.0685, 39.9467

Deuteranopia

57.5186, 56.4037, 48.9297



Tritanopia

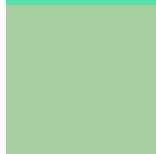
44.9008, 57.1777, 84.2712

Trichromacy



Original Color

37.4025, 57.2310, 46.6115



Protanomaly

44.2302, 54.8228, 41.9689



Deuteranomaly

46.5679, 54.4883, 47.5981



Tritanomaly

41.6775, 57.0046, 68.4809

Monochromacy



Original Color

37.4025, 57.2310, 46.6115



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.1144, 47.0864, 46.6149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4025, 57.2310, 46.6115 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(89, 222, 169)` looks like.

```
.text, #text, p{  
    color:rgb(89, 222, 169)  
}
```

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(89, 222, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 222, 169) }
```

Border

The CSS property to change the border of an element to XYZ 37.4025, 57.2310, 46.6115 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(89, 222, 169) }
```


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

```
.border{ border-color:rgb(89, 222, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 222, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 222, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 222, 169);  
box-shadow:4px 4px 4px 4px rgb(89, 222,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4025, 57.2310, 46.6115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 222, 169) }
```

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

```
.background{ background-color: rgb(89, 222,  
169) }
```

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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