

Converting Colors

XYZ(37.9404, 53.9896, 39.0411)

Have a look what the booklet for
XYZ(37.9404, 53.9896, 39.0411)
contains.

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Color

**XYZ(37.8337, 53.7800,
38.9584)**

Conversions

Conversions Part 1

Format	Color
Hex	7DD49A
RGB	125, 212, 154
RGB Percent	49%, 83%, 60%
CMY	0.5098, 0.1686, 0.3961
CMYK	0.41, 0.00, 0.27, 0.17
HSL	140°, 50%, 66%
HSV	140°, 41%, 83%
XYZ	37.8337, 53.7800, 38.9584
YIQ	179.3750, -33.2340, -36.4820

Conversions

Conversions Part 2

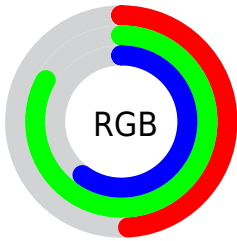
Format	Color
RYB	125, 190, 212
Decimal	8246426
CIELab	78.33, -38.80, 20.66
CIELCh	78, 43.961, 151.971
Yxy	53.7800, 0.2898, 0.4119
Android (android.graphics.Color)	4286436506 (0xFF7DD49A)
YUV	179.3750, -12.5099, -47.6869
Hunter-Lab	73.3348, -36.2472, 19.8372

Details

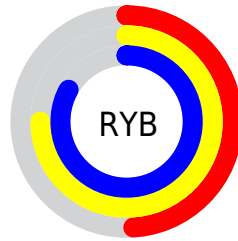
The XYZ color **37.8337, 53.7800, 38.9584** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.0341, 32.0845, 48.7267**, and the grayscale version is **43.1264, 45.3724, 49.4105**.

A 20% lighter version of the original color is **66.3247, 85.9472, 73.4154**, and **17.0309, 26.3953, 17.0291** is the 20% darker color. If you saturate the color by 10%, you get **33.9543, 51.9097, 32.9900**, and if you desaturate by 10%, it is **42.5151, 56.0507, 45.6902**.

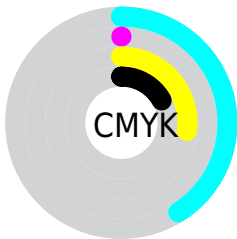
Distribution



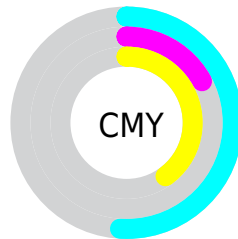
- Red (49%)
- Green (83%)
- Blue (60%)



- Red (49%)
- Yellow (75%)
- Blue (83%)



- Cyan (41%)
- Magenta (0%)
- Yellow (27%)
- Black (17%)





- Cyan (51%)
- Magenta (17%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8337, 53.7800, 38.9584 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 37.8337, 53.7800, 38.9584 by changing the saturation by 10% instead.


 37.8337, 53.7800,
38.9584


 37.8337, 53.7800,
38.9584

328.1993,
401.2705, 357.1343


 26.0303, 38.4258,
26.4198


 71.1587, 95.7511,
74.7944

 16.9791, 26.3133,
16.9094


 93.4110, 123.1369,
98.9289

 10.3148, 17.0582,
10.0086

 119.8770,
155.3019, 127.7657

 5.6720, 10.2760,
5.2990

150.9220,
192.6307, 161.7235

 2.6855, 5.5823,
2.3619

186.9113,
235.5075, 201.2206

 0.9897, 2.5928,
0.7656

228.2104,

 0.0000, 0.9231,

284.3168, 246.6758

0.0000

275.1846,
339.4430, 298.5075

■ 0.0000, 0.0000,
0.0000

■ 37.8337, 53.7800,
38.9584

■ 37.8337, 53.7800,
38.9584

■ 33.9543, 51.9097,
32.9900

■ 42.5151, 56.0507,
45.6902

■ 30.8254, 50.4094,
27.7543

■ 48.0375, 58.7369,
53.2077

■ 28.3961, 49.2548,
23.2234


■ 54.4422, 61.8610,
61.5365


■ 26.6069, 48.4159,
19.3666

■ 61.7668, 65.4417,
70.7002


■ 25.3873, 47.8571,
16.1505

■ 70.0465, 69.4968,
80.7213

 24.6711, 47.5396,
13.7810

 79.3146, 74.0430,
91.6215

 82.5043, 75.4369,
103.0894

 82.8345, 75.5689,
104.8282

Harmonies

Analogous

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



42.8306, 53.7800, 26.8072



37.8337, 53.7800, 38.9584



36.2725, 53.7800, 60.2054

Triad

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



37.8337, 53.7800, 38.9584



51.6886, 53.7800, 119.9846



66.5103, 53.7800, 36.8425

Complementary

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



37.8337, 53.7800, 38.9584



43.0341, 32.0845, 48.7267

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.



69.5408, 53.7800, 56.9395



37.8337, 53.7800, 38.9584



60.4070, 53.7800, 108.7792

Square

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



37.8337, 53.7800, 38.9584



43.7144, 53.7800, 111.2655



67.1922, 53.7800, 83.8243



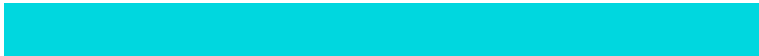
59.3099, 53.7800, 25.8489

Rectangle

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



37.8337, 53.7800, 38.9584



37.2310, 53.7800, 78.1790



67.1922, 53.7800, 83.8243



68.0848, 53.7800, 42.5284

Sweetspot

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



37.8351, 53.7822, 38.9596



81.5622, 93.4063, 92.0249



47.1222, 58.8161, 28.2718



17.1702, 19.8525, 19.3282



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.



37.8351, 53.7822, 38.9596



52.3911, 79.2368, 51.4113



41.9721, 55.4370, 60.7448



12.4314, 13.9636, 14.0865



15.2718, 29.3641, 8.7271



0.9590, 1.7863, 0.7259

Inverse Universe

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



43.0341, 32.0845, 48.7267



61.2841, 42.0605, 68.0731



39.2906, 30.5871, 29.0138



12.7689, 12.5590, 14.7231



19.7936, 9.8538, 16.7489



1.2315, 0.6094, 1.2087

Previews

White Background



This preview shows how the XYZ color 37.8337, 53.7800, 38.9584 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 37.8337, 53.7800, 38.9584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

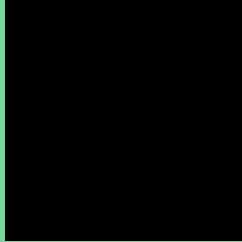
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8337, 53.7800, 38.9584

Background



This preview shows how black text looks on a background with the XYZ color 37.8337, 53.7800, 38.9584.



This preview shows how white text looks on a background with the XYZ color 37.8337, 53.7800,

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

37.8337, 53.7800, 38.9584

Protanopia

49.4141, 52.8654, 34.3877

Deuteranopia

54.1256, 52.9240, 40.6203



Tritanopia

45.0894, 53.4546, 75.6515

Trichromacy



Original Color

37.8337, 53.7800, 38.9584



Protanomaly

43.9002, 52.3321, 35.8043



Deuteranomaly

46.1802, 52.0636, 39.9631



Tritanomaly

42.0268, 53.2790, 60.2934

Monochromacy



Original Color

37.8337, 53.7800, 38.9584



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.1846, 47.5348, 45.0874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8337, 53.7800, 38.9584 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(125, 212, 154)` looks like.

```
.text, #text, p{  
    color:rgb(125, 212, 154)  
}
```

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(125, 212, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 212, 154) }
```

Border

The CSS property to change the border of an element to XYZ 37.8337, 53.7800, 38.9584 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(125, 212, 154) }
```


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

```
.border{ border-color:rgb(125, 212, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 212, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 212, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 212, 154);  
box-shadow:4px 4px 4px 4px rgb(125, 212,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8337, 53.7800, 38.9584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 212, 154) }
```

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

```
.background{ background-color: rgb(125,  
212, 154) }
```

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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