

Converting Colors

XYZ(37.6592, 51.5507, 45.4520)

Have a look what the booklet for
XYZ(37.6592, 51.5507, 45.4520)
contains.

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Color

**XYZ(37.7864, 51.7753,
45.5382)**

Conversions

Conversions Part 1

Format	Color
Hex	7CCFA9
RGB	124, 207, 169
RGB Percent	49%, 81%, 66%
CMY	0.5137, 0.1882, 0.3372
CMYK	0.40, 0.00, 0.18, 0.19
HSL	153°, 46%, 65%
HSV	153°, 40%, 81%
XYZ	37.7864, 51.7753, 45.5382
YIQ	177.8510, -37.2700, -29.4140

Conversions

Conversions Part 2

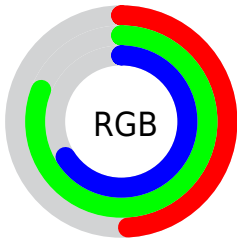
Format	Color
RYB	124, 178, 207
Decimal	8179625
CIELab	77.15, -33.84, 11.03
CIElCh	77, 35.594, 161.947
Yxy	51.7753, 0.2797, 0.3832
Android (android.graphics.Color)	4286369705 (0xFF7CCFA9)
YUV	177.8510, -4.3635, -47.2273
Hunter-Lab	71.9551, -32.1840, 12.8457

Details

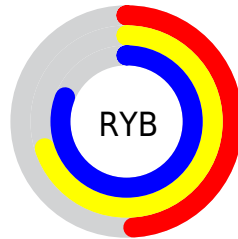
The XYZ color **37.7864, 51.7753, 45.5382** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.4631, 30.2905, 37.9510**, and the grayscale version is **42.2757, 44.4773, 48.4358**.

A 20% lighter version of the original color is **68.0369, 86.6051, 83.6515**, and **16.9649, 25.0429, 20.7692** is the 20% darker color. If you saturate the color by 10%, you get **34.2455, 50.0504, 40.8956**, and if you desaturate by 10%, it is **42.0225, 53.8539, 50.5523**.

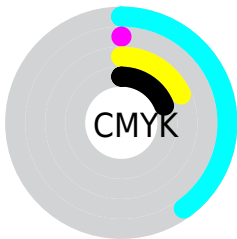
Distribution



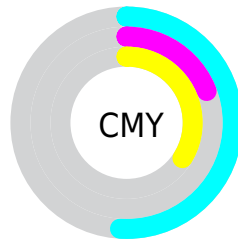
- Red (49%)
- Green (81%)
- Blue (66%)



- Red (49%)
- Yellow (70%)
- Blue (81%)



- Cyan (40%)
- Magenta (0%)
- Yellow (18%)
- Black (19%)




- Cyan (51%)
- Magenta (19%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7864, 51.7753, 45.5382 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 37.7864, 51.7753, 45.5382 by changing the saturation by 10% instead.


 37.7864, 51.7753,
45.5382


 37.7864, 51.7753,
45.5382


327.9995,
393.5685, 385.1724


 25.9934, 36.8260,
31.5355


 71.0866, 92.7998,
84.8544

 16.9514, 25.0728,
20.7451


 93.3246, 119.6437,
111.0051

 10.2949, 16.1313,
12.7484

 119.7749,
151.2214, 142.0421

 5.6587, 9.6171,
7.1268

150.8030,
187.9171, 178.3841

 2.6773, 5.1458,
3.4619

186.7741,
230.1153, 220.4496

 0.9855, 2.3331,
1.3350

228.0537,

 0.0000, 0.7911,

278.2003, 268.6572

0.0903

275.0070,
332.5566, 323.4252

■ 0.0000, 0.0000,
0.0000

■ 37.7864, 51.7753,
45.5382

■ 37.7864, 51.7753,
45.5382

■ 34.2455, 50.0504,
40.8956

■ 42.0225, 53.8539,
50.5523

■ 31.3547, 48.6520,
36.6120

■ 46.9872, 56.2991,
55.9429

■ 29.0699, 47.5588,
32.6791


■ 52.7164, 59.1307,
61.7197


■ 27.3392, 46.7443,
29.0868


■ 59.2427, 62.3653,
67.8905


■ 26.1015, 46.1772,
25.8245


■ 66.5966, 66.0185,
74.4631

 25.2511, 45.8025,
22.9058

 74.8069, 70.1051,
81.4450

 78.5991, 71.9057,
88.5954

 80.0081, 72.4693,
96.0153

 81.4913, 73.0626,
103.8255

Harmonies

Analogous

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



40.9703, 51.7753, 32.8388



37.7864, 51.7753, 45.5382



37.4847, 51.7753, 64.4955

Triad

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



37.7864, 51.7753, 45.5382



51.9703, 51.7753, 101.5725



59.6013, 51.7753, 34.8474

Complementary

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



37.7864, 51.7753, 45.5382



39.4631, 30.2905, 37.9510

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.



63.1583, 51.7753, 48.9655



37.7864, 51.7753, 45.5382



58.4883, 51.7753, 89.1014

Square

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



37.7864, 51.7753, 45.5382



45.2654, 51.7753, 100.0502



62.7331, 51.7753, 68.8064



53.3792, 51.7753, 27.7185

Rectangle

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



37.7864, 51.7753, 45.5382



38.9196, 51.7753, 78.6255



62.7331, 51.7753, 68.8064



61.1731, 51.7753, 38.7756

Sweetspot

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



37.7878, 51.7774, 45.5394



82.5003, 93.7816, 96.9646



41.0023, 53.8415, 27.3008



17.3905, 19.9406, 20.4884



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.



37.7878, 51.7774, 45.5394



55.6739, 80.5957, 66.6304



41.2247, 52.0890, 66.9154



11.9205, 13.3120, 13.9378



15.9570, 28.8757, 14.6855



0.9320, 1.6305, 1.0307

Inverse Universe

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



39.4631, 30.2905, 37.9510



58.7192, 41.5843, 52.8714



36.9309, 29.8403, 22.8827



12.0306, 11.8970, 13.4370



17.5539, 8.8944, 7.8231



1.0213, 0.5132, 0.6471

Previews

White Background



This preview shows how the XYZ color 37.7864, 51.7753, 45.5382 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 37.7864, 51.7753, 45.5382 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 37.7864, 51.7753, 45.5382

Background



This preview shows how black text looks on a background with the XYZ color 37.7864, 51.7753, 45.5382.



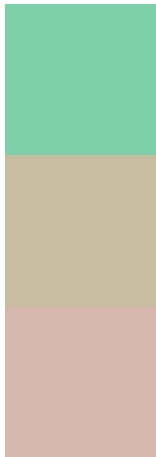
This preview shows how white text looks on a background with the XYZ color 37.7864, 51.7753,

45.5382.

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

37.7864, 51.7753, 45.5382

Protanopia

48.3622, 51.2126, 40.5938

Deuteranopia

52.3050, 51.2191, 47.1739



Tritanopia

43.1703, 51.4692, 73.3049

Trichromacy



Original Color

37.7864, 51.7753, 45.5382



Protanomaly

43.3640, 50.8949, 42.1885



Deuteranomaly

45.3521, 50.5016, 46.3872



Tritanomaly

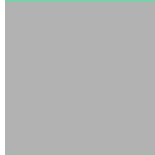
41.1413, 51.7073, 62.4557

Monochromacy



Original Color

37.7864, 51.7753, 45.5382



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.0360, 46.7594, 47.4728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7864, 51.7753, 45.5382 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(124, 207, 169)` looks like.

```
.text, #text, p{  
    color:rgb(124, 207, 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(124, 207, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 207, 169) }
```

Border

The CSS property to change the border of an element to XYZ 37.7864, 51.7753, 45.5382 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(124, 207, 169) }
```


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

```
.border{ border-color:rgb(124, 207, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 207, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 207, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 207, 169);  
box-shadow:4px 4px 4px 4px rgb(124, 207,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7864, 51.7753, 45.5382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 207, 169) }
```

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

```
.background{ background-color: rgb(124,  
207, 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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