

Converting Colors

XYZ(37.8311, 47.4541, 54.7672)

Have a look what the booklet for
XYZ(37.8311, 47.4541, 54.7672)
contains.

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Color

**XYZ(37.7981, 47.4069,
54.7352)**

Conversions

Conversions Part 1

Format	Color
Hex	82C3BC
RGB	130, 195, 188
RGB Percent	51%, 76%, 74%
CMY	0.4902, 0.2353, 0.2627
CMYK	0.33, 0.00, 0.04, 0.24
HSL	174°, 35%, 64%
HSV	174°, 33%, 76%
XYZ	37.7981, 47.4069, 54.7352
YIQ	174.7670, -36.4930, -15.9570

Conversions

Conversions Part 2

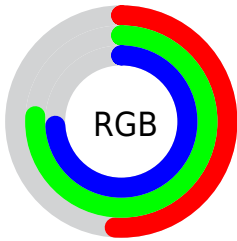
Format	Color
RYB	130, 164, 195
Decimal	8569788
CIELab	74.45, -22.18, -3.08
CIELCh	74, 22.391, 187.901
Yxy	47.4069, 0.2701, 0.3388
Android (android.graphics.Color)	4286759868 (0xFF82C3BC)
YUV	174.7670, 6.5239, -39.2607
Hunter-Lab	68.8527, -22.5009, 1.0636

Details

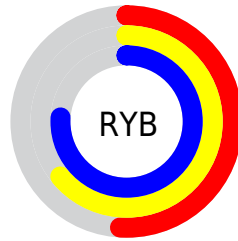
The XYZ color **37.7981, 47.4069, 54.7352** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.0053, 29.3748, 27.4936**, and the grayscale version is **40.6091, 42.7239, 46.5263**.

A 20% lighter version of the original color is **71.1471, 86.4667, 98.5279**, and **16.9586, 22.3768, 26.3470** is the 20% darker color. If you saturate the color by 10%, you get **34.8614, 45.9201, 53.4251**, and if you desaturate by 10%, it is **41.3077, 49.1910, 56.0914**.

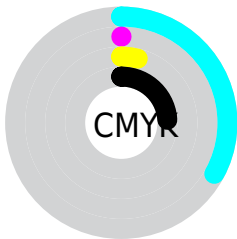
Distribution



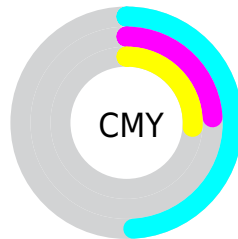
- Red (51%)
- Green (76%)
- Blue (74%)



- Red (51%)
- Yellow (64%)
- Blue (76%)



- Cyan (33%)
- Magenta (0%)
- Yellow (4%)
- Black (24%)



- Cyan (49%)
- Magenta (24%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7981, 47.4069, 54.7352 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 37.7981, 47.4069, 54.7352 by changing the saturation by 10% instead.

■ 37.7981, 47.4069,
54.7352

■ 37.7981, 47.4069,
54.7352

328.0489,
376.4364, 422.1610

■ 26.0025, 33.3574,
38.7926

■ 71.1045, 86.3207,
98.6201

■ 16.9582, 22.4004,
26.2918

■ 93.3460, 111.9538,
127.3995

■ 10.2998, 14.1514,
16.8144

■ 119.8002,
142.2169, 161.2949

■ 5.6620, 8.2260,
9.9417

150.8324,
177.4944, 200.7249

■ 2.6794, 4.2399,
5.2552

186.8081,
218.1707, 246.1079

■ 0.9866, 1.8087,
2.3364

228.0924,

■ 0.0000, 0.4926,

264.6302, 297.8626

0.7515

275.0510,
317.2573, 356.4074

■ 0.0000, 0.0000,
0.0000

■ 37.7981, 47.4069,
54.7352

■ 37.7981, 47.4069,
54.7352

■ 34.8614, 45.9201,
53.4251

■ 41.3077, 49.1910,
56.0914

■ 32.4613, 44.7084,
52.1562

■ 45.4157, 51.2820,
57.4918

■ 30.5638, 43.7555,
50.9279

■ 50.1510, 53.6960,
58.9390

■ 29.1295, 43.0409,
49.7383

■ 55.5393, 56.4463,
60.4341

■ 28.1128, 42.5413,
48.5852

■ 61.6052, 59.5455,
61.9784

■ 27.4589, 42.2282,
47.4658

■ 68.3716, 63.0054,
63.5731

■ 27.1556, 42.0878,
46.7352

■ 71.5005, 64.5897,
65.0152

■ 71.7521, 64.6904,
66.3403

■ 72.0072, 64.7924,
67.6834

Harmonies

Analogous

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



38.2416, 47.4069, 43.6970



37.7981, 47.4069, 54.7352



39.2062, 47.4069, 66.5168

Triad

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



37.7981, 47.4069, 54.7352



49.9983, 47.4069, 71.2254



48.0431, 47.4069, 33.6362

Complementary

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



37.7981, 47.4069, 54.7352



35.0053, 29.3748, 27.4936

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.



51.4667, 47.4069, 39.1288



37.7981, 47.4069, 54.7352



52.6417, 47.4069, 60.4427

Square

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



37.7981, 47.4069, 54.7352



46.1345, 47.4069, 76.9220



53.1945, 47.4069, 48.6216



44.0000, 47.4069, 32.5784

Rectangle

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



37.7981, 47.4069, 54.7352



41.0580, 47.4069, 72.8374



53.1945, 47.4069, 48.6216



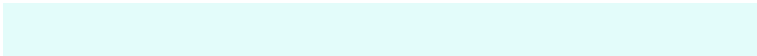
49.3115, 47.4069, 34.9807

Sweetspot

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



37.7995, 47.4088, 54.7363



83.9082, 93.1533, 103.7790



33.9582, 46.0117, 28.2113



18.1180, 20.2686, 22.6459



0.0000, 0.0000, 0.0000



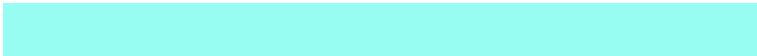
20.3446, 21.4041, 23.3091

Same Dimension

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



37.7995, 47.4088, 54.7363



63.7645, 82.9133, 96.3107



33.4480, 37.4682, 57.1012



10.3203, 11.4092, 12.6899



17.6678, 27.3612, 30.4734



0.7770, 1.1877, 1.3886

Inverse Universe

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



35.0053, 29.3748, 27.4936



58.0031, 45.6854, 40.1060



38.2440, 36.6303, 26.1746



10.1163, 10.0951, 10.7031



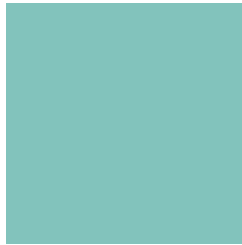
14.7311, 7.5822, 1.2301



0.6516, 0.3336, 0.1326

Previews

White Background



This preview shows how the XYZ color 37.7981, 47.4069, 54.7352 looks on a white background.

Color Contrast Check

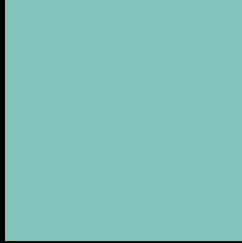
Large Text (above 18pt) WCAG AA × Fail

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 37.7981, 47.4069, 54.7352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

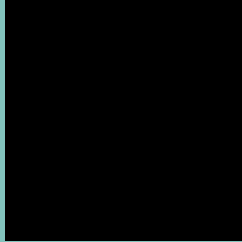
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7981, 47.4069, 54.7352

Background



This preview shows how black text looks on a background with the XYZ color 37.7981, 47.4069, 54.7352.



This preview shows how white text looks on a background with the XYZ color 37.7981, 47.4069,

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

37.7981, 47.4069, 54.7352

Protanopia

45.0118, 46.7821, 49.8375

Deuteranopia

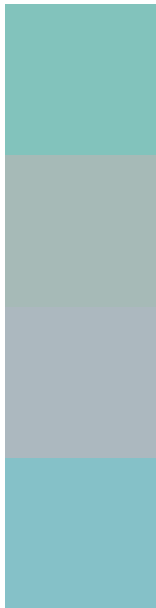
48.0015, 46.9858, 56.4084



Tritanopia

40.1038, 47.3552, 66.0583

Trichromacy



Original Color

37.7981, 47.4069, 54.7352

Protanomaly

41.8320, 46.6437, 51.5981

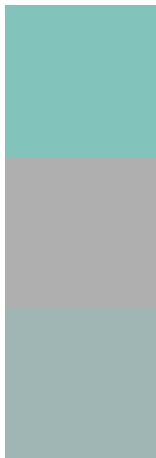
Deuteranomaly

43.5577, 46.8132, 56.0303

Tritanomaly

39.1682, 47.2966, 61.7084

Monochromacy



Original Color

37.7981, 47.4069, 54.7352

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.2642, 44.1221, 49.6270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7981, 47.4069, 54.7352 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(130, 195, 188)` looks like.

```
.text, #text, p{  
    color:rgb(130, 195, 188)  
}
```

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(130, 195, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 195, 188) }
```

Border

The CSS property to change the border of an element to XYZ 37.7981, 47.4069, 54.7352 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(130, 195, 188) }
```


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

```
.border{ border-color:rgb(130, 195, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 195, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 195, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 195, 188); box-shadow:4px 4px 4px 4px rgb(130, 195, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7981, 47.4069, 54.7352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 195, 188) }
```

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

```
.background{ background-color: rgb(130,  
195, 188) }
```

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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