

Converting Colors

XYZ(37.7333, 47.2015, 54.4691)

Have a look what the booklet for
XYZ(37.7333, 47.2015, 54.4691)
contains.

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Color

**XYZ(37.7290, 47.0397,
54.6680)**

Conversions

Conversions Part 1

Format	Color
Hex	83C2BC
RGB	131, 194, 188
RGB Percent	51%, 76%, 74%
CMY	0.4863, 0.2392, 0.2627
CMYK	0.32, 0.00, 0.03, 0.24
HSL	174°, 34%, 64%
HSV	174°, 32%, 76%
XYZ	37.7290, 47.0397, 54.6680
YIQ	174.4790, -35.6220, -15.2220

Conversions

Conversions Part 2

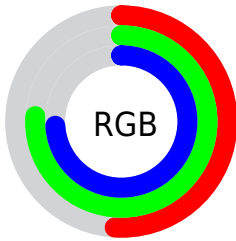
Format	Color
RYB	131, 164, 194
Decimal	8635068
CIELab	74.22, -21.39, -3.42
CIELCh	74, 21.665, 189.073
Yxy	47.0397, 0.2706, 0.3374
Android (android.graphics.Color)	4286825148 (0xFF83C2BC)
YUV	174.4790, 6.6659, -38.1311
Hunter-Lab	68.5855, -21.8315, 0.7511

Details

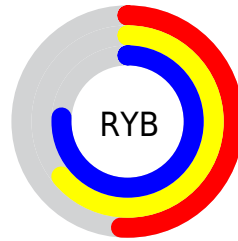
The XYZ color **37.7290, 47.0397, 54.6680** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.8815, 29.5095, 27.5263**, and the grayscale version is **40.4595, 42.5666, 46.3550**.

A 20% lighter version of the original color is **71.0760, 85.9651, 98.4348**, and **16.8931, 22.1251, 26.3019** is the 20% darker color. If you saturate the color by 10%, you get **34.8034, 45.5556, 53.4985**, and if you desaturate by 10%, it is **41.2225, 48.8187, 55.8794**.

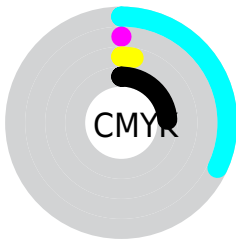
Distribution



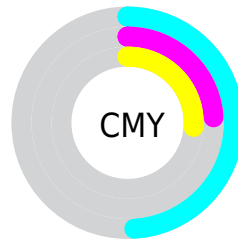
- Red (51%)
- Green (76%)
- Blue (74%)



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



- Cyan (32%)
- Magenta (0%)
- Yellow (3%)
- Black (24%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7290, 47.0397, 54.6680 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 37.7290, 47.0397, 54.6680 by changing the saturation by 10% instead.

■ 37.7290, 47.0397,
54.6680

■ 37.7290, 47.0397,
54.6680

327.7570,
374.9730, 421.8986

■ 25.9487, 33.0670,
38.7392

■ 70.9992, 85.7729,
98.5206

■ 16.9177, 22.1778,
26.2506

■ 93.2197, 111.3022,
127.2815

■ 10.2708, 13.9876,
16.7838

■ 119.6510,
141.4525, 161.1568

■ 5.6425, 8.1120,
9.9201

150.6585,
176.6082, 200.5651

■ 2.6675, 4.1667,
5.2411

186.6075,
217.1537, 245.9248

■ 0.9805, 1.7673,
2.3282

227.8633,

■ 0.0000, 0.4666,

263.4734, 297.6547

0.7470

274.7914,
315.9517, 356.1731

■ 0.0000, 0.0000,
0.0000

■ 37.7290, 47.0397,
54.6680

■ 37.7290, 47.0397,
54.6680

■ 34.8034, 45.5556,
53.4985

■ 41.2225, 48.8187,
55.8794

■ 32.4102, 44.3444,
52.3662

■ 45.3087, 50.9017,
57.1309

■ 30.5160, 43.3902,
51.2705

■ 50.0162, 53.3048,
58.4249

■ 29.0823, 42.6731,
50.2095

■ 55.3703, 56.0408,
59.7626

■ 28.0647, 42.1702,
49.1811

■ 61.3949, 59.1223,
61.1452

■ 27.4101, 41.8542,
48.1828

■ 68.1128, 62.5608,
62.5739

■ 27.0817, 41.7008,
47.4477

■ 71.0681, 64.0594,
63.8400

■ 71.2868, 64.1468,
64.9918

■ 71.5081, 64.2354,
66.1573

Harmonies

Analogous

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



38.0868, 47.0397, 43.9481



37.7290, 47.0397, 54.6680



39.1557, 47.0397, 65.9271

Triad

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



37.7290, 47.0397, 54.6680



49.5875, 47.0397, 69.6946



47.4324, 47.0397, 33.7160

Complementary

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



37.7290, 47.0397, 54.6680



34.8815, 29.5095, 27.5263

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.



50.7658, 47.0397, 38.8780



37.7290, 47.0397, 54.6680



52.0593, 47.0397, 59.2489

Square

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



37.7290, 47.0397, 54.6680



45.8987, 47.0397, 75.3923



52.5026, 47.0397, 47.9167



43.5417, 47.0397, 32.8578

Rectangle

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



37.7290, 47.0397, 54.6680



40.9781, 47.0397, 71.8582



52.5026, 47.0397, 47.9167



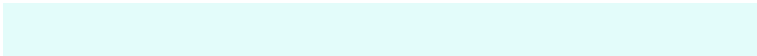
48.6614, 47.0397, 34.9654

Sweetspot

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



37.7304, 47.0416, 54.6691



83.9575, 93.1730, 104.0385



33.7558, 45.5679, 28.4902



18.1303, 20.2736, 22.7106



0.0000, 0.0000, 0.0000



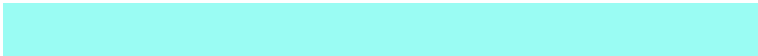
20.3446, 21.4041, 23.3091

Same Dimension

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



37.7304, 47.0416, 54.6691



64.4655, 83.2486, 97.5203



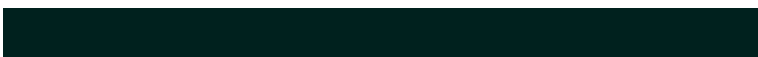
33.2499, 37.0235, 56.4348



10.3258, 11.4114, 12.7191



17.8212, 27.4226, 31.2814



0.7823, 1.1898, 1.4162

Inverse Universe

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



34.8815, 29.5095, 27.5263



58.5072, 46.5467, 40.7273



38.2686, 36.9538, 26.5896



10.1113, 10.0931, 10.6767



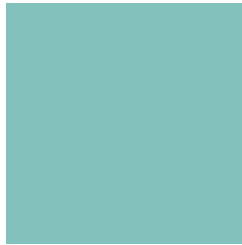
14.7159, 7.5761, 1.1502



0.6493, 0.3327, 0.1207

Previews

White Background



This preview shows how the XYZ color 37.7290, 47.0397, 54.6680 looks on a white background.

Color Contrast Check

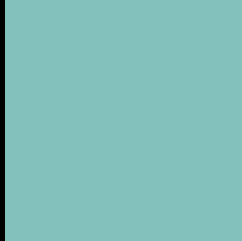
Large Text (above 18pt) WCAG AA × Fail

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 37.7290, 47.0397, 54.6680 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

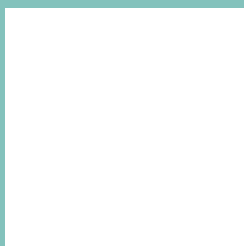
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7290, 47.0397, 54.6680

Background



This preview shows how black text looks on a background with the XYZ color 37.7290, 47.0397, 54.6680.

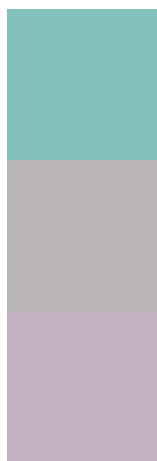


This preview shows how white text looks on a background with the XYZ color 37.7290, 47.0397,

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

37.7290, 47.0397, 54.6680

Protanopia

44.7697, 46.6573, 49.8262

Deuteranopia

47.5454, 46.4585, 56.3307



Tritanopia

39.8850, 46.9175, 65.9853

Trichromacy



Original Color

37.7290, 47.0397, 54.6680

Protanomaly

41.6232, 46.5360, 51.5883

Deuteranomaly

43.3507, 46.3992, 55.9613

Tritanomaly

39.1065, 46.9377, 61.6423

Monochromacy



Original Color

37.7290, 47.0397, 54.6680

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.7611, 43.5715, 49.0150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7290, 47.0397, 54.6680 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(131, 194, 188)` looks like.

```
.text, #text, p{  
    color:rgb(131, 194, 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(131, 194, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 194, 188) }
```

Border

The CSS property to change the border of an element to XYZ 37.7290, 47.0397, 54.6680 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(131, 194, 188) }
```


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

```
.border{ border-color:rgb(131, 194, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 194, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 194, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 194, 188); box-shadow:4px 4px 4px 4px rgb(131, 194, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7290, 47.0397, 54.6680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 194, 188) }
```

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

```
.background{ background-color: rgb(131,  
194, 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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