

Converting Colors

XYZ(37.1428, 44.5531, 60.2341)

Have a look what the booklet for
XYZ(37.1428, 44.5531, 60.2341)
contains.

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Color

**XYZ(37.2295, 44.7108,
60.0939)**

Conversions

Conversions Part 1

Format	Color
Hex	81BCC6
RGB	129, 188, 198
RGB Percent	51%, 74%, 78%
CMY	0.4941, 0.2627, 0.2235
CMYK	0.35, 0.05, 0.00, 0.22
HSL	189°, 38%, 64%
HSV	189°, 35%, 78%
XYZ	37.2295, 44.7108, 60.0939
YIQ	171.4990, -38.3740, -9.3980

Conversions

Conversions Part 2

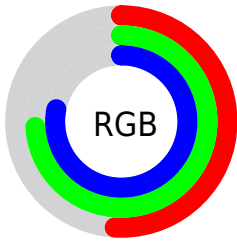
Format	Color
RYB	129, 161, 198
Decimal	8502470
CIELab	72.70, -16.50, -11.12
CIElCh	73, 19.895, 213.986
Yxy	44.7108, 0.2621, 0.3148
Android (android.graphics.Color)	4286692550 (0xFF81BCC6)
YUV	171.4990, 13.0650, -37.2716
Hunter-Lab	66.8661, -17.6311, -6.4788

Details

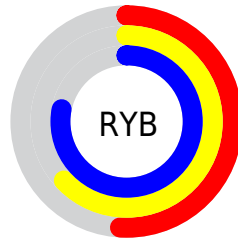
The XYZ color **37.2295, 44.7108, 60.0939** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.4844, 32.0564, 25.0344**, and the grayscale version is **38.9109, 40.9373, 44.5807**.

A 20% lighter version of the original color is **70.1678, 82.1117, 106.7586**, and **16.6785, 20.8781, 29.5364** is the 20% darker color. If you saturate the color by 10%, you get **33.9019, 42.0956, 59.7653**, and if you desaturate by 10%, it is **41.1547, 47.6543, 60.4559**.

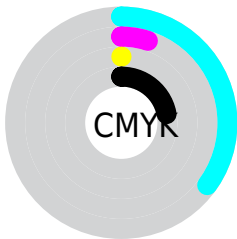
Distribution



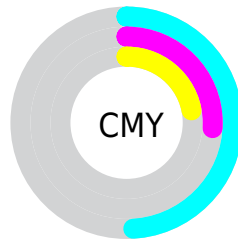
- Red (51%)
- Green (74%)
- Blue (78%)



- Red (51%)
- Yellow (63%)
- Blue (78%)



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)



- Cyan (49%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2295, 44.7108, 60.0939 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 37.2295, 44.7108, 60.0939 by changing the saturation by 10% instead.

■ 37.2295, 44.7108,
60.0939

■ 37.2295, 44.7108,
60.0939

325.6414,
365.6010, 442.7580

■ 25.5597, 31.2297,
43.0685

■ 70.2372, 82.2863,
106.5106

■ 16.6255, 20.7738,
29.6071

■ 92.3057, 107.1494,
136.7390

■ 10.0615, 12.9588,
19.2910

■ 118.5713,
136.5754, 172.2054

■ 5.5023, 7.4002,
11.7018

149.3992,
170.9485, 213.3285

■ 2.5827, 3.7136,
6.4209

185.1548,
210.6533, 260.5268

■ 0.9371, 1.5147,
3.0298

226.2035,

■ 0.0000, 0.2990,

256.0740, 314.2188

1.1099

272.9105,
307.5951, 374.8230

■ 0.0000, 0.0000,
0.0000

■ 37.2295, 44.7108,
60.0939

■ 37.2295, 44.7108,
60.0939

■ 33.9019, 42.0956,
59.7653

■ 41.1547, 47.6543,
60.4559

■ 31.1341, 39.7859,
59.4653

■ 45.7046, 50.9371,
60.8498

■ 28.8901, 37.7640,
59.1933

■ 50.9096, 54.5758,
61.2778

■ 27.1278, 36.0083,
58.9473

■ 56.7967, 58.5845,
61.7413

■ 25.7988, 34.4937,
58.7250

■ 63.3916, 62.9766,
62.2414

■ 24.8441, 33.1895,
58.5236

■ 70.7183, 67.7646,
62.7794

■ 24.4391, 32.5692,
58.4252

■ 74.0101, 70.4912,
63.1322

■ 74.7164, 71.9037,
63.3676

■ 75.4353, 73.3416,
63.6073

Harmonies

Analogous

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



36.2160, 44.7108, 50.0152



37.2295, 44.7108, 60.0939



39.6526, 44.7108, 67.8307

Triad

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



37.2295, 44.7108, 60.0939



48.7413, 44.7108, 57.4997



42.0368, 44.7108, 32.0825

Complementary

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



37.2295, 44.7108, 60.0939



36.4844, 32.0564, 25.0344

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.



45.4728, 44.7108, 33.5265



37.2295, 44.7108, 60.0939



49.4637, 44.7108, 47.3736

Square

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



37.2295, 44.7108, 60.0939



46.3135, 44.7108, 66.1964



48.2377, 44.7108, 38.8156



38.8948, 44.7108, 34.5671

Rectangle

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



37.2295, 44.7108, 60.0939



41.8050, 44.7108, 70.1269



48.2377, 44.7108, 38.8156



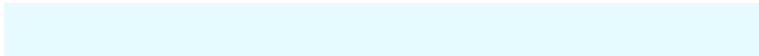
43.1951, 44.7108, 32.1269

Sweetspot

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



37.2308, 44.7126, 60.0949



85.1155, 93.1455, 108.1006



33.8502, 46.8969, 31.3897



17.9405, 19.7423, 23.1150



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.



37.2308, 44.7126, 60.0949



61.2523, 75.5219, 105.9566



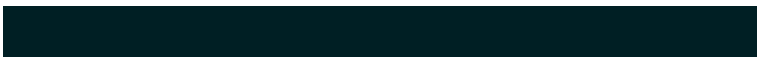
30.8524, 31.9557, 57.9688



10.8107, 11.7955, 13.6245



15.9417, 21.2772, 38.0111



0.7916, 1.0810, 1.8121

Inverse Universe

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



40.2171, 31.3382, 51.5081



67.4655, 48.6689, 87.8730



42.1381, 43.3639, 26.9190



11.0145, 10.7892, 13.0595



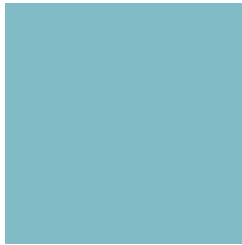
19.8459, 9.6879, 25.4623



0.9583, 0.4661, 1.3034

Previews

White Background



This preview shows how the XYZ color 37.2295, 44.7108, 60.0939 looks on a white background.

Color Contrast Check

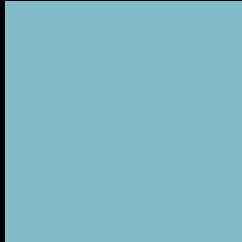
Large Text (above 18pt) WCAG AA × Fail

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 37.2295, 44.7108, 60.0939 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 37.2295, 44.7108, 60.0939

Background



This preview shows how black text looks on a background with the XYZ color 37.2295, 44.7108, 60.0939.



This preview shows how white text looks on a background with the XYZ color 37.2295, 44.7108,

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

37.2295, 44.7108, 60.0939

Protanopia

43.2576, 44.5530, 55.6099

Deuteranopia

45.2533, 44.2945, 61.4229



Tritanopia

37.6369, 44.5507, 62.4926

Trichromacy



Original Color

37.2295, 44.7108, 60.0939

Protanomaly

40.7587, 44.4164, 57.4639

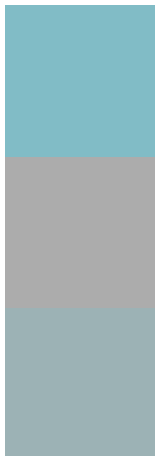
Deuteranomaly

41.6556, 43.9034, 60.9223

Tritanomaly

37.5189, 44.5035, 61.8709

Monochromacy



Original Color

37.2295, 44.7108, 60.0939

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.9712, 42.2449, 49.8688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2295, 44.7108, 60.0939 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(129, 188, 198)` looks like.

```
.text, #text, p{  
    color:rgb(129, 188, 198)  
}
```

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(129, 188, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 188, 198) }
```

Border

The CSS property to change the border of an element to XYZ 37.2295, 44.7108, 60.0939 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(129, 188, 198) }
```


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

```
.border{ border-color:rgb(129, 188, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 188, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 188, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 188, 198);  
box-shadow:4px 4px 4px 4px rgb(129, 188,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2295, 44.7108, 60.0939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 188, 198) }
```

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

```
.background{ background-color: rgb(129,  
188, 198) }
```

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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