

Converting Colors

XYZ(37.1520, 59.0786, 47.7147)

Have a look what the booklet for
XYZ(37.1520, 59.0786, 47.7147)
contains.

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Color

**XYZ(37.1087, 59.0694,
47.4759)**

Conversions

Conversions Part 1

Format	Color
Hex	44E3AA
RGB	68, 227, 170
RGB Percent	27%, 89%, 67%
CMY	0.7333, 0.1098, 0.3333
CMYK	0.70, 0.00, 0.25, 0.11
HSL	158°, 74%, 58%
HSV	158°, 70%, 89%
XYZ	37.1087, 59.0694, 47.4759
YIQ	172.9610, -76.4670, -51.4350

Conversions

Conversions Part 2

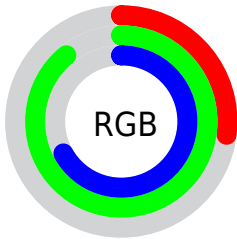
Format	Color
RYB	68, 165, 227
Decimal	4514730
CIELab	81.33, -54.08, 16.15
CIElCh	81, 56.445, 163.373
Yxy	59.0694, 0.2583, 0.4112
Android (android.graphics.Color)	4282704810 (0xFF44E3AA)
YUV	172.9610, -1.4598, -92.0508
Hunter-Lab	76.8566, -48.3139, 17.1750

Details

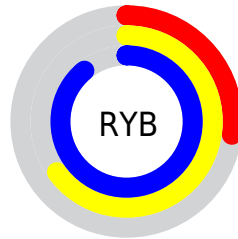
The XYZ color **37.1087, 59.0694, 47.4759** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **37.4494, 21.9473, 21.6670**, and the grayscale version is **39.7374, 41.8068, 45.5276**.

A 20% lighter version of the original color is **59.3423, 82.1071, 83.9548**, and **17.6447, 30.0575, 22.0112** is the 20% darker color. If you saturate the color by 10%, you get **35.0753, 58.1089, 43.4864**, and if you desaturate by 10%, it is **39.8055, 60.3695, 51.7478**.

Distribution



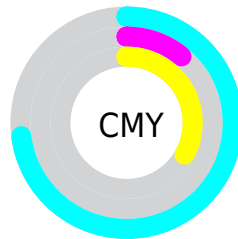
- Red (27%)
- Green (89%)
- Blue (67%)



- Red (27%)
- Yellow (65%)
- Blue (89%)



- Cyan (70%)
- Magenta (0%)
- Yellow (25%)
- Black (11%)





- Cyan (73%)
- Magenta (11%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1087, 59.0694, 47.4759 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 37.1087, 59.0694, 47.4759 by changing the saturation by 10% instead.


 37.1087, 59.0694,
47.4759


 37.1087, 59.0694,
47.4759


325.1283,
421.1591, 393.1596

 25.4657, 42.6690,
33.0550


 70.0527, 103.4785,
87.7810

 16.5550, 29.6255,
21.8971


 92.0844, 132.2560,
114.5022

 10.0110, 19.5545,
13.5837


 118.3097,
165.9280, 146.1606

 5.4686, 12.0716,
7.6963

 149.0941,
204.8789, 183.1748

 2.5623, 6.7925,
3.8163

184.8027,
249.4930, 225.9632

 0.9268, 3.3327,
1.5251

225.8011,

 0.0000, 1.3078,

300.1548, 274.9445

0.2365

272.4545,
357.2487, 330.5371

■ 0.0000, 0.1472,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1087, 59.0694,
47.4759

■ 37.1087, 59.0694,
47.4759

■ 35.0753, 58.1089,
43.4864

■ 39.8055, 60.3695,
51.7478


■ 33.6244, 57.4417,
39.7673


■ 43.2251, 62.0350,
56.3055


■ 32.6290, 57.0038,
36.3232


■ 47.4253, 64.0972,
61.1570


■ 52.4565, 66.5821,
66.3091

 58.3648, 69.5132,
71.7677

 65.1930, 72.9126,
77.5390

 72.9807, 76.8006,
83.6285

 81.7653, 81.1964,
90.0419

 84.9250, 82.6862,
96.4729

Harmonies

Analogous

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



41.9746, 59.0694, 27.7348



37.1087, 59.0694, 47.4759



36.8566, 59.0694, 80.5257

Triad

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



37.1087, 59.0694, 47.4759



61.5499, 59.0694, 150.3741



74.2799, 59.0694, 29.2488

Complementary

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



37.1087, 59.0694, 47.4759



37.4494, 21.9473, 21.6670

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.



81.2026, 59.0694, 50.4430



37.1087, 59.0694, 47.4759



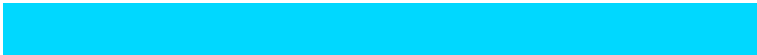
73.1887, 59.0694, 123.9677

Square

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



37.1087, 59.0694, 47.4759



49.9058, 59.0694, 148.7002



80.7774, 59.0694, 84.7319



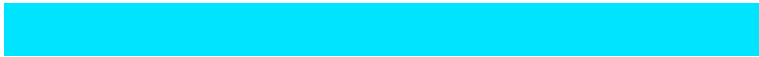
62.8809, 59.0694, 20.0188

Rectangle

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



37.1087, 59.0694, 47.4759



39.2656, 59.0694, 107.0311



80.7774, 59.0694, 84.7319



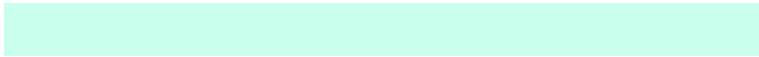
77.2745, 59.0694, 34.8135

Sweetspot

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



37.1103, 59.0717, 47.4773



75.0801, 90.0446, 92.6293



37.1629, 59.8165, 15.0568



15.5952, 19.0374, 19.3978



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.



37.1103, 59.0717, 47.4773



44.7233, 75.2100, 54.3889



38.2741, 50.8237, 80.4685



14.5766, 16.2441, 17.3012



19.0863, 33.2666, 21.4864



1.4544, 2.4759, 1.8193

Inverse Universe

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



37.4494, 21.9473, 21.6670



45.2719, 24.1304, 19.2842



36.3128, 23.9279, 8.1744



14.5894, 14.4529, 16.0382



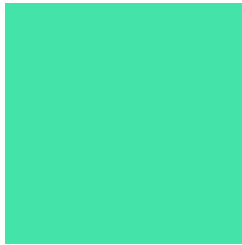
19.4003, 9.8943, 5.7368



1.4768, 0.7484, 0.6511

Previews

White Background



This preview shows how the XYZ color 37.1087, 59.0694, 47.4759 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 37.1087, 59.0694, 47.4759 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

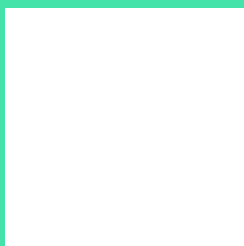
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1087, 59.0694, 47.4759

Background



This preview shows how black text looks on a background with the XYZ color 37.1087, 59.0694, 47.4759.



This preview shows how white text looks on a background with the XYZ color 37.1087, 59.0694,

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

37.1087, 59.0694, 47.4759

Protanopia

54.1807, 57.8890, 40.2164

Deuteranopia

59.0007, 57.8082, 49.6434



Tritanopia

45.1415, 58.7403, 88.3157

Trichromacy



Original Color

37.1087, 59.0694, 47.4759



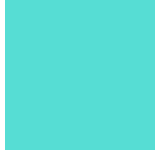
Protanomaly

44.0654, 56.1754, 42.7029



Deuteranomaly

46.0489, 55.2647, 48.2845



Tritanomaly

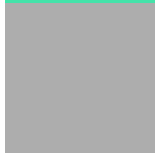
41.5779, 58.4448, 71.3769

Monochromacy



Original Color

37.1087, 59.0694, 47.4759



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.5080, 46.2694, 46.0364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1087, 59.0694, 47.4759 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(68, 227, 170)` looks like.

```
.text, #text, p{  
    color:rgb(68, 227, 170)  
}
```

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(68, 227, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 227, 170) }
```

Border

The CSS property to change the border of an element to XYZ 37.1087, 59.0694, 47.4759 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(68, 227, 170) }
```


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

```
.border{ border-color:rgb(68, 227, 170) }
```

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

Here you see how a box with a 4 pixel rgb(68, 227, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 227, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 227, 170);  
box-shadow:4px 4px 4px 4px rgb(68, 227,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1087, 59.0694, 47.4759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 227, 170) }
```

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

```
.background{ background-color: rgb(68, 227,  
170) }
```

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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