

Converting Colors

XYZ(37.5268, 46.8226, 87.9482)

Have a look what the booklet for
XYZ(37.5268, 46.8226, 87.9482)
contains.

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Color

**XYZ(37.5564, 46.8818,
87.9586)**

Conversions

Conversions Part 1

Format	Color
Hex	44C4EE
RGB	68, 196, 238
RGB Percent	27%, 77%, 93%
CMY	0.7333, 0.2314, 0.0667
CMYK	0.71, 0.18, 0.00, 0.07
HSL	195°, 83%, 60%
HSV	195°, 71%, 93%
XYZ	37.5564, 46.8818, 87.9586
YIQ	162.5160, -89.7700, -14.0740

Conversions

Conversions Part 2

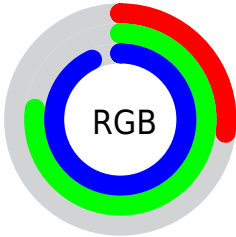
Format	Color
R _Y B	68, 141, 238
Decimal	4506862
CIE Lab	74.11, -21.52, -30.90
CIE LCh	74, 37.653, 235.144
Yxy	46.8818, 0.2178, 0.2719
Android (android.graphics.Color)	4282696942 (0xFF44C4EE)
YUV	162.5160, 37.2136, -82.8905
Hunter-Lab	68.4703, -21.9146, -28.2362

Details

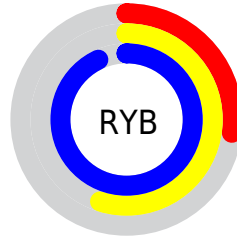
The XYZ color **37.5564, 46.8818, 87.9586** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **41.8810, 29.7488, 9.0053**, and the grayscale version is **34.4476, 36.2416, 39.4671**.

A 20% lighter version of the original color is **63.3286, 82.7048, 107.2336**, and **18.1165, 22.7234, 47.6872** is the 20% darker color. If you saturate the color by 10%, you get **34.9206, 43.5932, 87.4637**, and if you desaturate by 10%, it is **40.9206, 50.6248, 88.5047**.

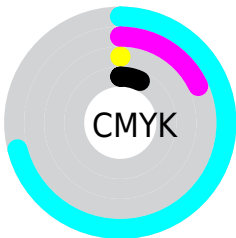
Distribution



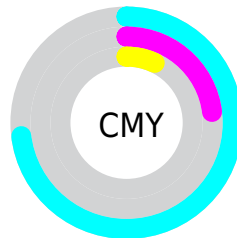
- Red (27%)
- Green (77%)
- Blue (93%)



- Red (27%)
- Yellow (55%)
- Blue (93%)



- Cyan (71%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)



- Cyan (73%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5564, 46.8818, 87.9586 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 37.5564, 46.8818, 87.9586 by changing the saturation by 10% instead.

37.5564, 46.8818,
87.9586

37.5564, 46.8818,
87.9586

327.0271,
374.3425, 541.7654

25.8142, 32.9422,
65.7246

70.7360, 85.5372,
146.4102

16.8167, 22.0822,
47.5938

92.9041, 111.0217,
183.4648

10.1984, 13.9173,
33.1476

119.2783,
141.1234, 226.2968

5.5939, 8.0632,
21.9675

150.2239,
176.2266, 275.3247

2.6381, 4.1354,
13.6350

186.1061,
216.7158, 330.9669

0.9654, 1.7496,
7.7314

227.2905,

0.0000, 0.4555,

262.9752, 393.6421

3.8382

274.1424,
315.3893, 463.7688

■ 0.0000, 0.0000,
1.5370

■ 0.0000, 0.0000,
0.2453

■ 37.5564, 46.8818,
87.9586

■ 37.5564, 46.8818,
87.9586

■ 34.9206, 43.5932,
87.4637

■ 40.9206, 50.6248,
88.5047

■ 32.9206, 40.7079,
87.0122

■ 45.0818, 54.8558,
89.1020

■ 31.5929, 38.4933,
86.6547

■ 50.1054, 59.6102,
89.7549

■ 56.0487, 64.9185,
90.4663

■ 62.9636, 70.8082,
91.2387

■ 70.8982, 77.3050,
92.0745

■ 79.8974, 84.4326,
92.9759

■ 88.7366, 91.5606,
93.8859

■ 90.5250, 95.1376,
94.4821

Harmonies

Analogous

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



33.8283, 46.8818, 68.4949



37.5564, 46.8818, 87.9586



43.4718, 46.8818, 97.6743

Triad

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



37.5564, 46.8818, 87.9586



58.7593, 46.8818, 54.2528



39.2773, 46.8818, 24.2817

Complementary

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



37.5564, 46.8818, 87.9586



41.8810, 29.7488, 9.0053

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.



45.6657, 46.8818, 22.2777



37.5564, 46.8818, 87.9586



57.3500, 46.8818, 36.8453

Square

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



37.5564, 46.8818, 87.9586



56.0619, 46.8818, 75.3301



52.3837, 46.8818, 26.2468



34.7494, 46.8818, 32.6380

Rectangle

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



37.5564, 46.8818, 87.9586



48.0316, 46.8818, 95.9039



52.3837, 46.8818, 26.2468



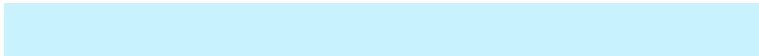
41.2593, 46.8818, 22.9493

Sweetspot

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



37.5580, 46.8835, 87.9598



73.9422, 83.0672, 106.7441



35.6491, 63.4549, 24.4661



15.3194, 17.3547, 22.7923



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.



37.5580, 46.8835, 87.9598



39.6115, 49.2785, 102.0317



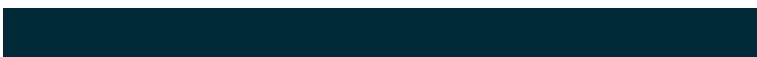
23.7608, 19.2891, 83.3607



15.8974, 17.2288, 20.2092



17.7326, 21.6895, 48.3798



1.5527, 1.9595, 4.0506

Inverse Universe

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



47.2922, 26.2986, 54.8096



52.3831, 26.7122, 57.5416



55.3012, 56.5892, 13.4787



16.2776, 15.9608, 19.0182



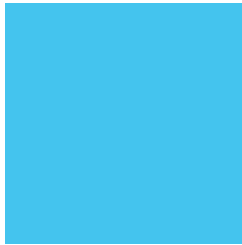
24.2762, 11.9829, 25.1690



2.0587, 1.0125, 2.3000

Previews

White Background



This preview shows how the XYZ color 37.5564, 46.8818, 87.9586 looks on a white background.

Color Contrast Check

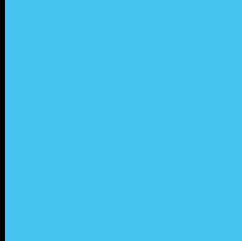
Large Text (above 18pt) WCAG AA × Fail

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 37.5564, 46.8818, 87.9586 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

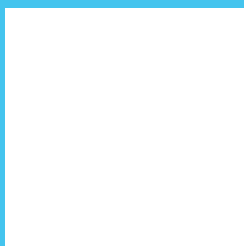
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5564, 46.8818, 87.9586

Background



This preview shows how black text looks on a background with the XYZ color 37.5564, 46.8818, 87.9586.

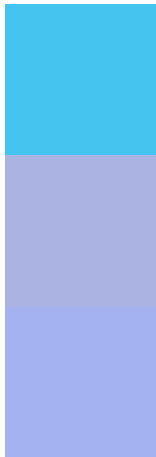


This preview shows how white text looks on a background with the XYZ color 37.5564, 46.8818,

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

37.5564, 46.8818, 87.9586

Protanopia

46.4251, 46.2772, 78.4370

Deuteranopia

47.4645, 46.2509, 90.4301



Tritanopia

34.4651, 46.9965, 72.2205

Trichromacy



Original Color

37.5564, 46.8818, 87.9586



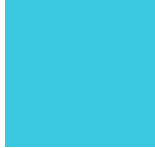
Protanomaly

41.3048, 45.3976, 81.4485



Deuteranomaly

42.4321, 45.7946, 89.8219



Tritanomaly

35.6229, 47.1282, 77.7401

Monochromacy



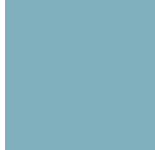
Original Color

37.5564, 46.8818, 87.9586



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

33.5263, 38.9668, 54.4695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5564, 46.8818, 87.9586 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, 196, 238)` looks like.

```
.text, #text, p{  
    color:rgb(68, 196, 238)  
}
```

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, 196, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 196, 238) }
```

Border

The CSS property to change the border of an element to XYZ 37.5564, 46.8818, 87.9586 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, 196, 238) }
```


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

```
.border{ border-color:rgb(68, 196, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 196, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 196, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 196, 238);  
box-shadow:4px 4px 4px 4px rgb(68, 196,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5564, 46.8818, 87.9586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 196, 238) }
```

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

```
.background{ background-color: rgb(68, 196,  
238) }
```

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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