

Converting Colors

XYZ(37.1474, 45.9948, 88.0195)

Have a look what the booklet for
XYZ(37.1474, 45.9948, 88.0195)
contains.

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Color

**XYZ(37.1083, 45.9856,
87.8092)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 44C2EE |
| RGB | 68, 194, 238 |
| RGB Percent | 27%, 76%, 93% |
| CMY | 0.7333, 0.2392, 0.0667 |
| CMYK | 0.71, 0.18, 0.00, 0.07 |
| HSL | 196°, 83%, 60% |
| HSV | 196°, 71%, 93% |
| XYZ | 37.1083, 45.9856, 87.8092 |
| YIQ | 161.3420, -89.2200, -13.0280 |

Conversions

Conversions Part 2

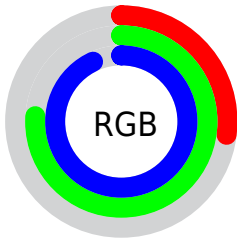
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 68, 140, 238 |
| Decimal | 4506350 |
| CIE Lab | 73.54, -20.49, -31.79 |
| CIE LCh | 74, 37.822, 237.191 |
| Yxy | 45.9856, 0.2171, 0.2691 |
| Android (android.graphics.Color) | 4282696430 (0xFF44C2EE) |
| YUV | 161.3420, 37.7924, -81.8609 |
| Hunter-Lab | 67.8127, -20.9938, -29.3045 |

Details

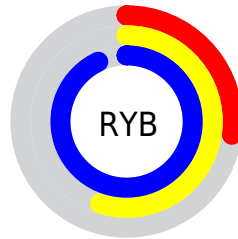
The XYZ color **37.1083, 45.9856, 87.8092** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **42.0992, 30.1853, 9.0781**, and the grayscale version is **33.8968, 35.6620, 38.8360**.

A 20% lighter version of the original color is **62.7005, 81.4486, 107.0242**, and **17.8216, 22.1336, 47.5889** is the 20% darker color. If you saturate the color by 10%, you get **34.4302, 42.6125, 87.3002**, and if you desaturate by 10%, it is **40.5196, 49.8228, 88.3709**.

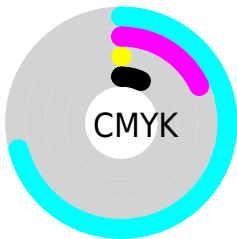
Distribution



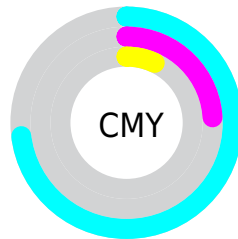
- Red (27%)
- Green (76%)
- Blue (93%)



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



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



- Cyan (73%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1083, 45.9856, 87.8092 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 37.1083, 45.9856, 87.8092 by changing the saturation by 10% instead.

37.1083, 45.9856,
87.8092

37.1083, 45.9856,
87.8092

325.1266,
370.7508, 541.2633

25.4654, 32.2345,
65.6016

70.0521, 84.1974,
146.2003

16.5547, 21.5406,
47.4946

92.0837, 109.4269,
183.2209

10.0109, 13.5198,
33.0697

118.3089,
139.2513, 226.0163

5.4685, 7.7874,
21.9083

149.0930,
174.0550, 275.0049

2.5622, 3.9592,
13.5919

184.8015,
214.2224, 330.6054

0.9267, 1.6508,
7.7019

225.7997,

0.0000, 0.3915,

260.1379, 393.2363

3.8197

272.4529,
312.1859, 463.3161

■ 0.0000, 0.0000,
1.5270

■ 0.0000, 0.0000,
0.2379

■ 37.1083, 45.9856,
87.8092

■ 37.1083, 45.9856,
87.8092

■ 34.4302, 42.6125,
87.3002

■ 40.5196, 49.8228,
88.3709

■ 32.3927, 39.6521,
86.8362

■ 44.7328, 54.1579,
88.9856

■ 31.0366, 37.3807,
86.4692

■ 49.8136, 59.0265,
89.6576

■ 55.8190, 64.4592,
90.3897

■ 62.8013, 70.4837,
91.1845

■ 70.8086, 77.1258,
92.0445

■ 79.8858, 84.4095,
92.9720

■ 88.8085, 91.7045,
93.9098

■ 90.6860, 95.4594,
94.5357

Harmonies

Analogous

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



33.2451, 45.9856, 68.8409



37.1083, 45.9856, 87.8092



43.0812, 45.9856, 96.5577

Triad

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



37.1083, 45.9856, 87.8092



57.8402, 45.9856, 51.8957



38.0949, 45.9856, 23.9509

Complementary

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



37.1083, 45.9856, 87.8092



42.0992, 30.1853, 9.0781

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.



44.3407, 45.9856, 21.5736



37.1083, 45.9856, 87.8092



56.1635, 45.9856, 35.0657

Square

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



37.1083, 45.9856, 87.8092



55.4225, 45.9856, 72.7759



51.0470, 45.9856, 25.0709



33.7726, 45.9856, 32.6596

Rectangle

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



37.1083, 45.9856, 87.8092



47.6171, 45.9856, 94.1000



51.0470, 45.9856, 25.0709



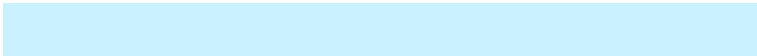
40.0188, 45.9856, 22.4992

Sweetspot

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



37.1098, 45.9872, 87.8103



73.7552, 82.6933, 106.6818



35.8018, 63.5160, 25.2703



15.2745, 17.2651, 22.7774



0.0000, 0.0000, 0.0000



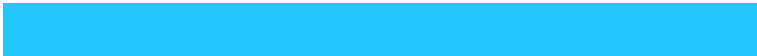
20.3446, 21.4041, 23.3091

Same Dimension

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



37.1098, 45.9872, 87.8103



39.0158, 48.0871, 101.8331



23.4484, 18.6644, 83.2565



15.8810, 17.1960, 20.2038



17.4251, 21.0745, 48.2773



1.5294, 1.9128, 4.0428

Inverse Universe

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



47.0660, 26.2081, 53.6186



52.0824, 26.5919, 55.9582



55.9322, 57.8511, 13.6891



16.2694, 15.9575, 18.9746



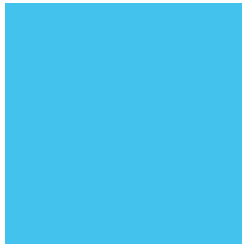
24.1210, 11.9208, 24.3516



2.0469, 1.0078, 2.2379

Previews

White Background



This preview shows how the XYZ color 37.1083, 45.9856, 87.8092 looks on a white background.

Color Contrast Check

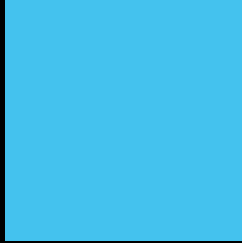
Large Text (above 18pt) WCAG AA × Fail

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 37.1083, 45.9856, 87.8092 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

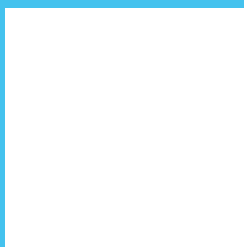
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1083, 45.9856, 87.8092

Background



This preview shows how black text looks on a background with the XYZ color 37.1083, 45.9856, 87.8092.



This preview shows how white text looks on a background with the XYZ color 37.1083, 45.9856,

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

37.1083, 45.9856, 87.8092

Protanopia

45.3860, 45.1508, 78.2744

Deuteranopia

46.6494, 45.5365, 90.3351



Tritanopia

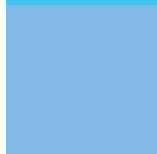
33.6969, 45.9470, 70.7110

Trichromacy



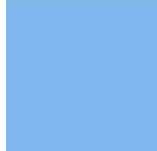
Original Color

37.1083, 45.9856, 87.8092



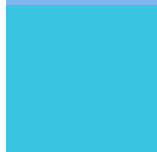
Protanomaly

40.5765, 44.4054, 81.2954



Deuteranomaly

41.7128, 44.8070, 89.6692



Tritanomaly

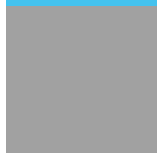
34.9729, 46.1301, 76.8728

Monochromacy



Original Color

37.1083, 45.9856, 87.8092



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

32.8813, 38.0733, 53.7600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1083, 45.9856, 87.8092 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, 194, 238)` looks like.

```
.text, #text, p{  
    color:rgb(68, 194, 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, 194, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 194, 238) }
```

Border

The CSS property to change the border of an element to XYZ 37.1083, 45.9856, 87.8092 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, 194, 238) }
```


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

```
.border{ border-color:rgb(68, 194, 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, 194, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 194, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 194, 238);  
box-shadow:4px 4px 4px 4px rgb(68, 194,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1083, 45.9856, 87.8092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 194, 238) }
```

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

```
.background{ background-color: rgb(68, 194,  
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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