

Converting Colors

XYZ(37.6827, 46.6852, 88.1635)

Have a look what the booklet for
XYZ(37.6827, 46.6852, 88.1635)
contains.

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Color

**XYZ(37.6202, 46.5810,
87.8972)**

Conversions

Conversions Part 1

Format	Color
Hex	48C3EE
RGB	72, 195, 238
RGB Percent	28%, 76%, 93%
CMY	0.7176, 0.2353, 0.0667
CMYK	0.70, 0.18, 0.00, 0.07
HSL	196°, 83%, 61%
HSV	196°, 70%, 93%
XYZ	37.6202, 46.5810, 87.8972
YIQ	163.1250, -87.1110, -12.7030

Conversions

Conversions Part 2

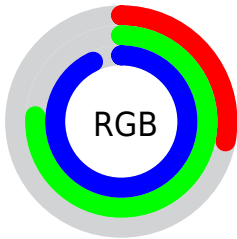
Format	Color
R _Y B	72, 143, 238
Decimal	4768750
CIE Lab	73.92, -20.48, -31.19
CIE LCh	74, 37.310, 236.709
Yxy	46.5810, 0.2186, 0.2707
Android (android.graphics.Color)	4282958830 (0xFF48C3EE)
YUV	163.1250, 36.9134, -79.9166
Hunter-Lab	68.2503, -21.0471, -28.5824

Details

The XYZ color **37.6202, 46.5810, 87.8972** 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 **42.5621, 30.9088, 9.8554**, and the grayscale version is **34.7344, 36.5433, 39.7956**.

A 20% lighter version of the original color is **63.5079, 82.3298, 107.1518**, and **17.9684, 22.4272, 47.6378** is the 20% darker color. If you saturate the color by 10%, you get **34.8243, 43.1319, 87.3797**, and if you desaturate by 10%, it is **41.1625, 50.5013, 88.4681**.

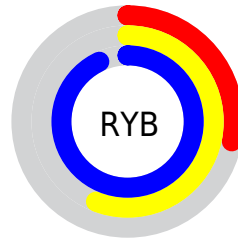
Distribution



Red (28%)

Green (76%)

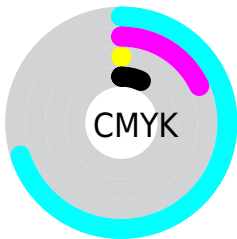
Blue (93%)



Red (28%)

Yellow (56%)

Blue (93%)

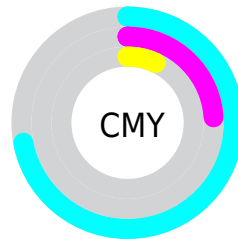


Cyan (70%)

Magenta (18%)

Yellow (0%)

Black (7%)



Cyan (72%)

Magenta (24%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6202, 46.5810, 87.8972 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 37.6202, 46.5810, 87.8972 by changing the saturation by 10% instead.

37.6202, 46.5810,
87.8972

37.6202, 46.5810,
87.8972

327.2970,
373.1396, 541.5591

25.8639, 32.7045,
65.6741

70.8333, 85.0878,
146.3239

16.8540, 21.9002,
47.5531

93.0208, 110.4870,
183.3646

10.2251, 13.7836,
33.1156

119.4161,
140.4959, 226.1815

5.6119, 7.9703,
21.9432

150.3846,
175.4989, 275.1933

2.6489, 4.0760,
13.6172

186.2915,
215.8803, 330.8184

0.9710, 1.7161,
7.7192

227.5024,

0.0000, 0.4341,

262.0247, 393.4753

3.8306

274.3824,
314.3163, 463.5827

■ 0.0000, 0.0000,
1.5329

■ 0.0000, 0.0000,
0.2423

■ 37.6202, 46.5810,
87.8972

■ 37.6202, 46.5810,
87.8972

■ 34.8243, 43.1319,
87.3797

■ 41.1625, 50.5013,
88.4681

■ 32.6853, 40.1043,
86.9081

■ 45.5182, 54.9256,
89.0925

■ 31.0654, 37.4270,
86.4767

■ 50.7515, 59.8891,
89.7747

■ 31.0267, 37.3609,
86.4660

■ 56.9187, 65.4215,
90.5176

64.0712, 71.5505,
91.3236

72.2565, 78.3014,
92.1952

81.5191, 85.6980,
93.1347

89.1212, 92.3299,
94.0141

91.0107, 96.1090,
94.6440

Harmonies

Analogous

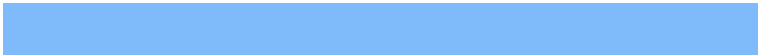
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.8064, 46.5810, 69.0213



37.6202, 46.5810, 87.8972



43.5440, 46.5810, 96.7623

Triad

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



37.6202, 46.5810, 87.8972



58.3045, 46.5810, 52.8499



38.7722, 46.5810, 24.5366

Complementary

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



37.6202, 46.5810, 87.8972



42.5621, 30.9088, 9.8554

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.



45.0118, 46.5810, 22.2416



37.6202, 46.5810, 87.8972



56.7056, 46.5810, 35.9767

Square

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



37.6202, 46.5810, 87.8972



55.8444, 46.5810, 73.5894



51.6691, 46.5810, 25.8549



34.4232, 46.5810, 33.1580

Rectangle

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



37.6202, 46.5810, 87.8972



48.0526, 46.5810, 94.4948



51.6691, 46.5810, 25.8549



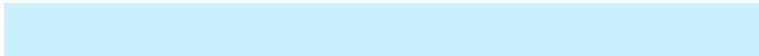
40.6986, 46.5810, 23.1102

Sweetspot

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



37.6218, 46.5827, 87.8983



73.7519, 82.6866, 106.6807



36.2575, 63.7316, 26.1636



15.2737, 17.2635, 22.7771



0.0000, 0.0000, 0.0000



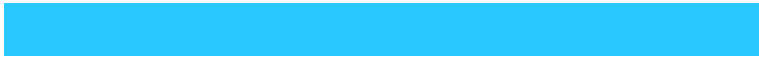
20.3446, 21.4041, 23.3091

Same Dimension

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



37.6218, 46.5827, 87.8983



39.4983, 48.7708, 101.9397



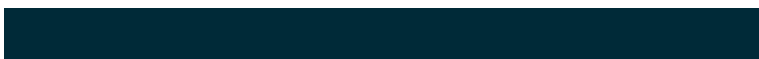
24.0680, 19.4751, 83.3804



15.8807, 17.1954, 20.2037



17.4197, 21.0635, 48.2754



1.5290, 1.9119, 4.0427

Inverse Universe

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



47.4290, 26.7537, 54.2956



52.3946, 26.9795, 56.7920



56.2840, 58.3527, 14.4293



16.2692, 15.9574, 18.9738



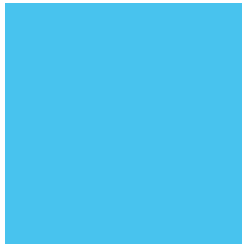
24.1183, 11.9197, 24.3371



2.0467, 1.0077, 2.2368

Previews

White Background



This preview shows how the XYZ color 37.6202, 46.5810, 87.8972 looks on a white background.

Color Contrast Check

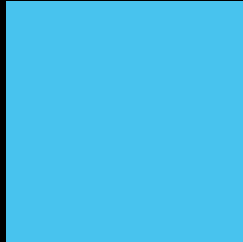
Large Text (above 18pt) WCAG AA × Fail

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 37.6202, 46.5810, 87.8972 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 37.6202, 46.5810, 87.8972

Background



This preview shows how black text looks on a background with the XYZ color 37.6202, 46.5810, 87.8972.

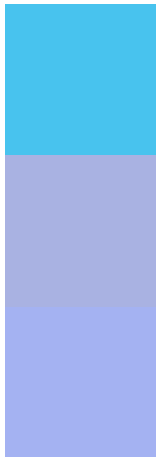


This preview shows how white text looks on a background with the XYZ color 37.6202, 46.5810,

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

37.6202, 46.5810, 87.8972

Protanopia

46.0100, 45.7668, 78.3604

Deuteranopia

47.2572, 46.1441, 90.4204



Tritanopia

34.3765, 46.6230, 71.4773

Trichromacy



Original Color

37.6202, 46.5810, 87.8972



Protanomaly

41.2549, 45.0625, 81.3865



Deuteranomaly

42.3777, 45.4571, 89.7596



Tritanomaly

35.5000, 46.7400, 76.9627

Monochromacy



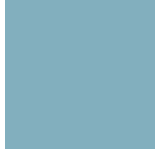
Original Color

37.6202, 46.5810, 87.8972



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

33.8302, 39.1235, 54.4837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6202, 46.5810, 87.8972 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(72, 195, 238)` looks like.

```
.text, #text, p{  
    color:rgb(72, 195, 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(72, 195, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 195, 238) }
```

Border

The CSS property to change the border of an element to XYZ 37.6202, 46.5810, 87.8972 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(72, 195, 238) }
```


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

```
.border{ border-color:rgb(72, 195, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 195, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 195, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 195, 238);  
box-shadow:4px 4px 4px 4px rgb(72, 195,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6202, 46.5810, 87.8972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 195, 238) }
```

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

```
.background{ background-color: rgb(72, 195,  
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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