

Converting Colors

XYZ(46.7432, 58.8341, 86.7343)

Have a look what the booklet for
XYZ(46.7432, 58.8341, 86.7343)
contains.

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Color

**XYZ(46.7433, 58.8342,
86.7344)**

Conversions

Conversions Part 1

Format	Color
Hex	75D8EA
RGB	117, 216, 234
RGB Percent	46%, 85%, 92%
CMY	0.5412, 0.1529, 0.0823
CMYK	0.50, 0.08, 0.00, 0.08
HSL	189°, 74%, 69%
HSV	189°, 50%, 92%
XYZ	46.7433, 58.8342, 86.7344
YIQ	188.4510, -64.7820, -15.3900

Conversions

Conversions Part 2

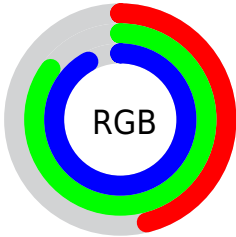
Format	Color
RYB	117, 171, 234
Decimal	7723242
CIELab	81.20, -24.30, -17.81
CIElCh	81, 30.129, 216.241
Yxy	58.8342, 0.2431, 0.3059
Android (android.graphics.Color)	4285913322 (0xFF75D8EA)
YUV	188.4510, 22.4557, -62.6625
Hunter-Lab	76.7035, -25.4526, -13.3513

Details

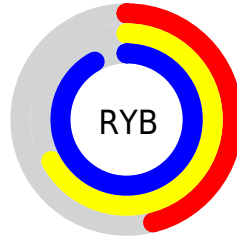
The XYZ color **46.7433, 58.8342, 86.7344** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.8078, 36.1060, 21.3861**, and the grayscale version is **47.9607, 50.4584, 54.9492**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **22.3021, 29.4884, 46.6359** is the 20% darker color. If you saturate the color by 10%, you get **43.0718, 55.5886, 86.3025**, and if you desaturate by 10%, it is **51.2244, 62.5297, 87.2126**.

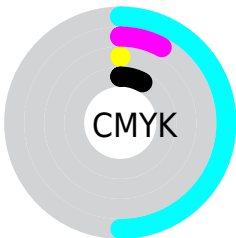
Distribution



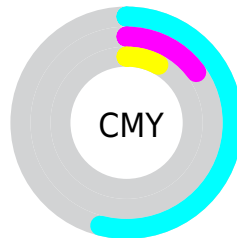
- Red (46%)
- Green (85%)
- Blue (92%)



- Red (46%)
- Yellow (67%)
- Blue (92%)



- Cyan (50%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)



- Cyan (54%)
- Magenta (15%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7433, 58.8342, 86.7344 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 46.7433, 58.8342, 86.7344 by changing the saturation by 10% instead.

46.7433, 58.8342,
86.7344

46.7433, 58.8342,
86.7344

364.4550,
420.2872, 537.6432

33.0399, 42.4797,
64.7171

84.5514, 103.1367,
144.6895

22.3164, 29.4771,
46.7818

109.3868,
131.8534, 181.4643

14.2075, 19.4420,
32.5101

138.6635,
165.4596, 223.9954

8.3478, 11.9901,
21.4834

172.7470,
204.3397, 272.7012

4.3719, 6.7369,
13.2831

212.0025,
248.8781, 328.0004

1.9146, 3.2981,
7.4908

256.7954,

0.5853, 1.2893,

299.4593, 390.3114

3.6878

307.4911,
356.4675, 460.0529

■ 0.0000, 0.1329,
1.4557

■ 0.0000, 0.0000,
0.1846

■ 46.7433, 58.8342,
86.7344

■ 46.7433, 58.8342,
86.7344

■ 43.0718, 55.5886,
86.3025

■ 51.2244, 62.5297,
87.2126

■ 40.1445, 52.7552,
85.9099

■ 56.5632, 66.6963,
87.7354

■ 37.8951, 50.3008,
85.5547

■ 62.8106, 71.3617,
88.3067

■ 36.2421, 48.1834,
85.2331

■ 70.0117, 76.5492,
88.9284

■ 35.0468, 46.3311,
84.9386

■ 78.2086, 82.2809,
89.6027

■ 35.0465, 46.3307,
84.9385

■ 86.5502, 88.1181,
90.2898

■ 87.6065, 90.2306,
90.6418

■ 88.6838, 92.3852,
91.0009

■ 89.7823, 94.5822,
91.3671

Harmonies

Analogous

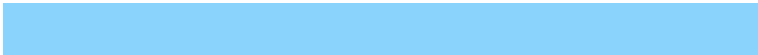
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.7643, 58.8342, 67.8904



46.7433, 58.8342, 86.7344



51.1990, 58.8342, 101.1722

Triad

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



46.7433, 58.8342, 86.7344



67.7047, 58.8342, 79.0135



54.6189, 58.8342, 35.4867

Complementary

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



46.7433, 58.8342, 86.7344



45.8078, 36.1060, 21.3861

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.



60.9229, 58.8342, 37.3556



46.7433, 58.8342, 86.7344



68.7907, 58.8342, 60.3773

Square

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



46.7433, 58.8342, 86.7344



63.3598, 58.8342, 96.1634



66.2257, 58.8342, 45.7285



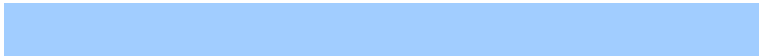
49.0869, 58.8342, 40.0391

Rectangle

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



46.7433, 58.8342, 86.7344



55.1329, 58.8342, 105.0922



66.2257, 58.8342, 45.7285



56.7148, 58.8342, 35.3988

Sweetspot

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



46.7451, 58.8364, 86.7358



80.5025, 89.7565, 107.6895



41.1020, 64.3655, 33.0152



16.8403, 18.9291, 23.0161



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.



46.7451, 58.8364, 86.7358



52.2353, 67.4564, 104.8750



34.4074, 34.1609, 82.6232



15.3088, 16.7041, 19.3396



19.7694, 26.1858, 47.7554



1.6057, 2.1628, 3.7677

Inverse Universe

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



52.6892, 35.1746, 68.9805



60.4808, 36.5585, 79.8138



56.2250, 56.9404, 24.8585



15.6094, 15.2716, 18.4946



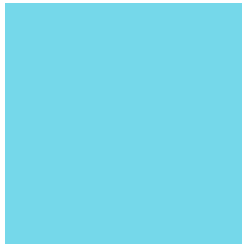
24.8340, 12.1363, 31.2567



1.9770, 0.9638, 2.5961

Previews

White Background



This preview shows how the XYZ color 46.7433, 58.8342, 86.7344 looks on a white background.

Color Contrast Check

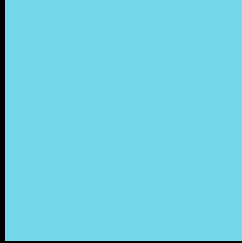
Large Text (above 18pt) WCAG AA × Fail

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 46.7433, 58.8342, 86.7344 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 46.7433, 58.8342, 86.7344

Background



This preview shows how black text looks on a background with the XYZ color 46.7433, 58.8342, 86.7344.



This preview shows how white text looks on a background with the XYZ color 46.7433, 58.8342,

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

46.7433, 58.8342, 86.7344

Protanopia

56.7687, 58.0449, 78.0238

Deuteranopia

59.5297, 58.2095, 88.9869



Tritanopia

46.7433, 58.8342, 86.7344

Trichromacy



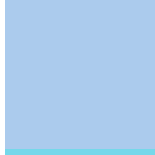
Original Color

46.7433, 58.8342, 86.7344



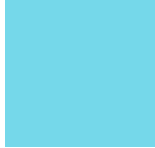
Protanomaly

51.8449, 57.5335, 81.0456



Deuteranomaly

53.4366, 57.4842, 88.3999



Tritanomaly

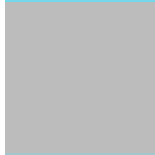
46.7433, 58.8342, 86.7344

Monochromacy



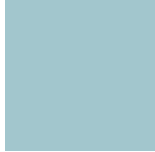
Original Color

46.7433, 58.8342, 86.7344



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

46.1138, 52.4773, 65.4563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7433, 58.8342, 86.7344 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(117, 216, 234)` looks like.

```
.text, #text, p{  
    color:rgb(117, 216, 234)  
}
```

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(117, 216, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 216, 234) }
```

Border

The CSS property to change the border of an element to XYZ 46.7433, 58.8342, 86.7344 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(117, 216, 234) }
```


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

```
.border{ border-color:rgb(117, 216, 234) }
```

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

Here you see how a box with a 4 pixel rgb(117, 216, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 216, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 216, 234);  
box-shadow:4px 4px 4px 4px rgb(117, 216,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7433, 58.8342, 86.7344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 216, 234) }
```

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

```
.background{ background-color: rgb(117,  
216, 234) }
```

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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