

Converting Colors

XYZ(35.8731, 42.8387, 46.9508)

Have a look what the booklet for
XYZ(35.8731, 42.8387, 46.9508)
contains.

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Color

**XYZ(35.8267, 42.7129,
46.9136)**

Conversions

Conversions Part 1

Format	Color
Hex	8EB7AF
RGB	142, 183, 175
RGB Percent	56%, 72%, 69%
CMY	0.4431, 0.2823, 0.3137
CMYK	0.22, 0.00, 0.04, 0.28
HSL	168°, 22%, 64%
HSV	168°, 22%, 72%
XYZ	35.8267, 42.7129, 46.9136
YIQ	169.8290, -21.8680, -11.1800

Conversions

Conversions Part 2

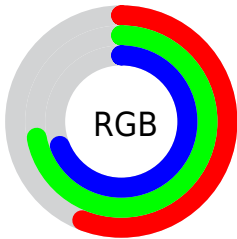
Format	Color
RYB	142, 165, 183
Decimal	9353135
CIELab	71.36, -15.37, -0.44
CIELCh	71, 15.375, 181.631
Yxy	42.7129, 0.2856, 0.3405
Android (android.graphics.Color)	4287543215 (0xFF8EB7AF)
YUV	169.8290, 2.5493, -24.4060
Hunter-Lab	65.3551, -16.5204, 3.1887

Details

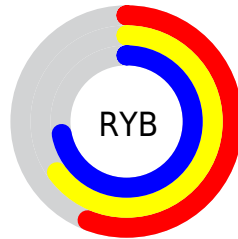
The XYZ color **35.8267, 42.7129, 46.9136** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.7080, 31.6165, 33.1293**, and the grayscale version is **38.1198, 40.1050, 43.6744**.

A 20% lighter version of the original color is **67.9144, 79.1819, 86.5671**, and **15.8722, 19.6195, 21.6893** is the 20% darker color. If you saturate the color by 10%, you get **32.5951, 41.0881, 44.9560**, and if you desaturate by 10%, it is **39.5855, 44.6107, 48.9461**.

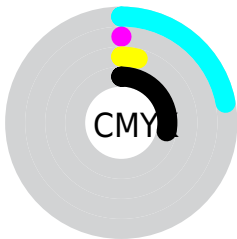
Distribution



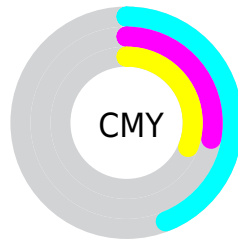
- Red (56%)
- Green (72%)
- Blue (69%)



- Red (56%)
- Yellow (65%)
- Blue (72%)



- Cyan (22%)
- Magenta (0%)
- Yellow (4%)
- Black (28%)



- Cyan (44%)
- Magenta (28%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8267, 42.7129, 46.9136 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 35.8267, 42.7129, 46.9136 by changing the saturation by 10% instead.

■ 35.8267, 42.7129,
46.9136

■ 35.8267, 42.7129,
46.9136

319.6469,
357.4297, 390.8533

■ 24.4699, 29.6599,
32.6135

■ 68.0901, 79.2774,
86.9333

■ 15.8092, 19.5806,
21.5618

■ 89.7274, 103.5578,
113.4899

■ 9.4792, 12.0906,
13.3401

■ 115.5223,
132.3494, 144.9692

■ 5.1146, 6.8054,
7.5297

145.8400,
166.0366, 181.7896

■ 2.3501, 3.3407,
3.7121

181.0460,
205.0038, 224.3696

■ 0.8201, 1.3121,
1.4688

221.5055,

■ 0.0000, 0.1505,

249.6355, 273.1279

0.1945

267.5841,
300.3160, 328.4830

■ 0.0000, 0.0000,
0.0000

■ 35.8267, 42.7129,
46.9136

■ 35.8267, 42.7129,
46.9136

■ 32.5951, 41.0881,
44.9560

■ 39.5855, 44.6107,
48.9461

■ 29.8618, 39.7180,
43.0689

■ 43.8914, 46.7883,
51.0522

■ 27.6009, 38.5903,
41.2516

■ 48.7676, 49.2589,
53.2341

■ 25.7822, 37.6896,
39.5023

■ 54.2350, 52.0330,
55.4932

■ 24.3724, 36.9986,
37.8192

■ 60.3133, 55.1211,
57.8307

■ 23.3332, 36.4976,
36.1999

■ 67.0213, 58.5326,
60.2480

■ 22.6188, 36.1630,
34.6420

■ 68.6000, 59.2988,
62.4758

■ 22.2232, 35.9841,
33.4962

■ 69.0224, 59.4678,
64.7004

■ 69.4547, 59.6407,
66.9767

Harmonies

Analogous

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



36.3771, 42.7129, 40.0631



35.8267, 42.7129, 46.9136



36.5088, 42.7129, 54.3830

Triad

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



35.8267, 42.7129, 46.9136



43.2615, 42.7129, 59.7174



43.0063, 42.7129, 35.0676

Complementary

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



35.8267, 42.7129, 46.9136



34.7080, 31.6165, 33.1293

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.



44.9803, 42.7129, 39.4308



35.8267, 42.7129, 46.9136



45.1320, 42.7129, 53.6075

Square

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



35.8267, 42.7129, 46.9136



40.7390, 42.7129, 62.2449



45.7737, 42.7129, 46.1029



40.4560, 42.7129, 33.6744

Rectangle

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



35.8267, 42.7129, 46.9136



37.5882, 42.7129, 58.5903



45.7737, 42.7129, 46.1029



43.7629, 42.7129, 36.2110

Sweetspot

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



35.8279, 42.7147, 46.9146



74.8478, 81.8921, 89.6360



34.4318, 42.3248, 31.9467



16.4303, 18.0362, 19.7483



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



35.8279, 42.7147, 46.9146



61.1310, 74.9705, 82.2351



34.2102, 38.1838, 50.3689



9.1895, 10.1798, 11.1553



15.5270, 25.1117, 23.4948



0.5669, 0.8931, 0.9310

Inverse Universe

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



34.7080, 31.6165, 33.1293



58.7638, 51.4922, 53.0826



36.0175, 35.2320, 30.4941



9.0743, 9.0401, 9.7389



13.8623, 7.1187, 1.8959



0.5103, 0.2596, 0.1804

Previews

White Background



This preview shows how the XYZ color 35.8267, 42.7129, 46.9136 looks on a white background.

Color Contrast Check

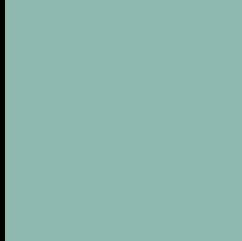
Large Text (above 18pt) WCAG AA × Fail

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 35.8267, 42.7129, 46.9136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

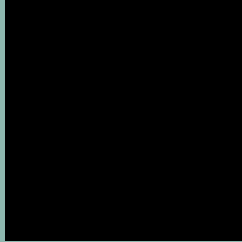
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8267, 42.7129, 46.9136

Background



This preview shows how black text looks on a background with the XYZ color 35.8267, 42.7129, 46.9136.



This preview shows how white text looks on a background with the XYZ color 35.8267, 42.7129,

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

35.8267, 42.7129, 46.9136

Protanopia

40.5594, 42.2544, 44.0484

Deuteranopia

43.2101, 42.4091, 48.0278



Tritanopia

37.9129, 42.6486, 57.2727

Trichromacy



Original Color

35.8267, 42.7129, 46.9136

Protanomaly

38.6856, 42.4222, 45.1791

Deuteranomaly

40.0851, 42.2171, 47.6310

Tritanomaly

37.1706, 42.6553, 53.2879

Monochromacy



Original Color

35.8267, 42.7129, 46.9136

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.2736, 41.1121, 45.0006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8267, 42.7129, 46.9136 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(142, 183, 175)` looks like.

```
.text, #text, p{  
    color:rgb(142, 183, 175)  
}
```

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(142, 183, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 183, 175) }
```

Border

The CSS property to change the border of an element to XYZ 35.8267, 42.7129, 46.9136 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(142, 183, 175) }
```


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

```
.border{ border-color:rgb(142, 183, 175) }
```

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

Here you see how a box with a 4 pixel rgb(142, 183, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 183, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 183, 175);  
box-shadow:4px 4px 4px 4px rgb(142, 183,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8267, 42.7129, 46.9136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 183, 175) }
```

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

```
.background{ background-color: rgb(142,  
183, 175) }
```

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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