

Converting Colors

XYZ(34.7119, 42.1544, 46.5705)

Have a look what the booklet for
XYZ(34.7119, 42.1544, 46.5705)
contains.

XYZ(34.7268, 42.1572, 46.3513)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.7268, 42.1572,
46.3513)**

Conversions

Conversions Part 1

Format	Color
Hex	88B7AE
RGB	136, 183, 174
RGB Percent	53%, 72%, 68%
CMY	0.4667, 0.2823, 0.3176
CMYK	0.26, 0.00, 0.05, 0.28
HSL	169°, 25%, 63%
HSV	169°, 26%, 72%
XYZ	34.7268, 42.1572, 46.3513
YIQ	167.9210, -25.1230, -12.7630

Conversions

Conversions Part 2

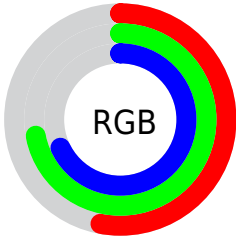
Format	Color
RYB	136, 162, 183
Decimal	8959918
CIELab	70.98, -17.46, -0.49
CIElCh	71, 17.470, 181.600
Yxy	42.1572, 0.2818, 0.3421
Android (android.graphics.Color)	4287149998 (0xFF88B7AE)
YUV	167.9210, 2.9969, -27.9947
Hunter-Lab	64.9286, -18.1550, 3.1240

Details

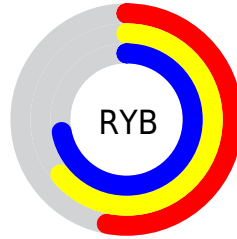
The XYZ color **34.7268, 42.1572, 46.3513** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.4449, 29.7210, 30.7637**, and the grayscale version is **37.1762, 39.1123, 42.5933**.

A 20% lighter version of the original color is **66.2446, 78.3373, 85.7579**, and **15.2418, 19.3017, 21.3346** is the 20% darker color. If you saturate the color by 10%, you get **31.6677, 40.6203, 44.4483**, and if you desaturate by 10%, it is **38.3047, 43.9628, 48.3269**.

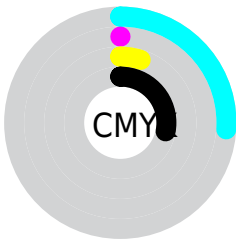
Distribution



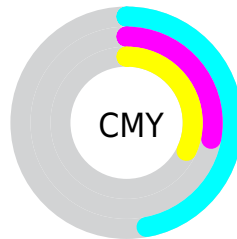
- Red (53%)
- Green (72%)
- Blue (68%)



- Red (53%)
- Yellow (64%)
- Blue (72%)



- Cyan (26%)
- Magenta (0%)
- Yellow (5%)
- Black (28%)



- Cyan (47%)
- Magenta (28%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7268, 42.1572, 46.3513 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 34.7268, 42.1572, 46.3513 by changing the saturation by 10% instead.

■ 34.7268, 42.1572,
46.3513

■ 34.7268, 42.1572,
46.3513

314.8900,
355.1342, 388.5377

■ 23.6180, 29.2244,
32.1725

■ 66.3991, 78.4375,
86.0843

■ 15.1737, 19.2506,
21.2274

■ 87.6934, 102.5538,
112.4756

■ 9.0285, 11.8515,
13.0974

■ 113.1136,
131.1667, 143.7747

■ 4.8170, 6.6427,
7.3642

143.0250,
164.6606, 180.4003

■ 2.1740, 3.2396,
3.6090

177.7929,
203.4199, 222.7709

■ 0.7290, 1.2581,
1.4134

217.7829,

■ 0.0000, 0.1084,

247.8290, 271.3049

0.1521

263.3601,
298.2723, 326.4210

■ 0.0000, 0.0000,
0.0000

■ 34.7268, 42.1572,
46.3513

■ 34.7268, 42.1572,
46.3513

■ 31.6677, 40.6203,
44.4483

■ 38.3047, 43.9628,
48.3269

■ 29.0980, 39.3335,
42.6135

■ 42.4217, 46.0441,
50.3738

■ 26.9907, 38.2841,
40.8462

■ 47.1017, 48.4147,
52.4943

■ 25.3149, 37.4561,
39.1446

■ 52.3657, 51.0852,
54.6897

■ 24.0357, 36.8316,
37.5067

■ 58.2340, 54.0662,
56.9612

■ 23.1127, 36.3897,
35.9302

■ 64.7255, 57.3675,
59.3102

■ 22.4952, 36.1043,
34.4124

■ 68.4293, 59.2305,
61.5773

■ 22.2758, 36.0051,
33.7731

■ 68.8399, 59.3947,
63.7392

■ 69.2598, 59.5627,
65.9507

Harmonies

Analogous

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



35.3412, 42.1572, 38.6871



34.7268, 42.1572, 46.3513



35.4852, 42.1572, 54.8311

Triad

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



34.7268, 42.1572, 46.3513



43.0764, 42.1572, 60.9657



42.7928, 42.1572, 33.1876

Complementary

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



34.7268, 42.1572, 46.3513



33.4449, 29.7210, 30.7637

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.



45.0318, 42.1572, 37.9991



34.7268, 42.1572, 46.3513



45.2010, 42.1572, 53.9625

Square

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



34.7268, 42.1572, 46.3513



40.2257, 42.1572, 63.8772



45.9331, 42.1572, 45.4557



39.9130, 42.1572, 31.6614

Rectangle

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



34.7268, 42.1572, 46.3513



36.6896, 42.1572, 59.6564



45.9331, 42.1572, 45.4557



43.6501, 42.1572, 34.4431

Sweetspot

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



34.7280, 42.1589, 46.3523



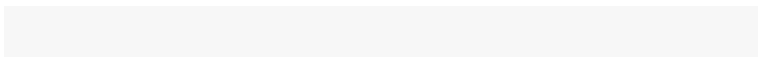
74.0762, 81.5009, 89.3051



33.1264, 41.7025, 29.5967



16.1100, 17.8740, 19.6020



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.



34.7280, 42.1589, 46.3523



58.8906, 73.8403, 81.0099



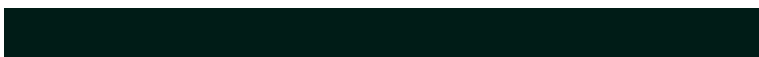
32.8712, 36.9933, 50.2097



9.1909, 10.1803, 11.1628



15.5634, 25.1263, 23.6863



0.5679, 0.8935, 0.9363

Inverse Universe

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



33.4449, 29.7210, 30.7637



56.1923, 47.6532, 48.2054



34.8961, 33.6907, 27.9570



9.0730, 9.0396, 9.7320



13.8551, 7.1158, 1.8577



0.5097, 0.2594, 0.1775

Previews

White Background



This preview shows how the XYZ color 34.7268, 42.1572, 46.3513 looks on a white background.

Color Contrast Check

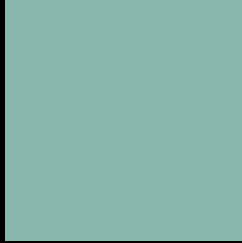
Large Text (above 18pt) WCAG AA × Fail

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 34.7268, 42.1572, 46.3513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

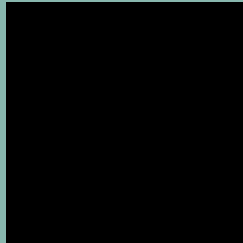
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.7268, 42.1572, 46.3513

Background



This preview shows how black text looks on a background with the XYZ color 34.7268, 42.1572, 46.3513.

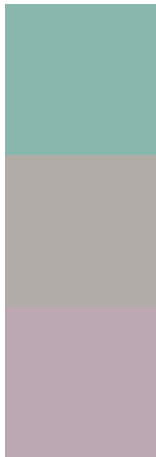


This preview shows how white text looks on a background with the XYZ color 34.7268, 42.1572,

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

34.7268, 42.1572, 46.3513

Protanopia

39.9519, 41.6793, 42.9850

Deuteranopia

42.6775, 41.8710, 47.4275



Tritanopia

36.8741, 42.1130, 57.2241

Trichromacy



Original Color

34.7268, 42.1572, 46.3513

Protanomaly

37.6813, 41.6343, 44.0804

Deuteranomaly

39.1422, 41.4567, 47.0132

Tritanomaly

36.1410, 42.1246, 53.2397

Monochromacy



Original Color

34.7268, 42.1572, 46.3513

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.9096, 39.8573, 43.8308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7268, 42.1572, 46.3513 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(136, 183, 174)` looks like.

```
.text, #text, p{  
    color:rgb(136, 183, 174)  
}
```

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(136, 183, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 183, 174) }
```

Border

The CSS property to change the border of an element to XYZ 34.7268, 42.1572, 46.3513 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(136, 183, 174) }
```


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

```
.border{ border-color:rgb(136, 183, 174) }
```

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

Here you see how a box with a 4 pixel rgb(136, 183, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 183, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 183, 174);  
box-shadow:4px 4px 4px 4px rgb(136, 183,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7268, 42.1572, 46.3513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 183, 174) }
```

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

```
.background{ background-color: rgb(136,  
183, 174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor