

Converting Colors

XYZ(34.5882, 43.3325, 46.4346)

Have a look what the booklet for
XYZ(34.5882, 43.3325, 46.4346)
contains.

XYZ(34.6162, 43.3425, 46.5859)	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(34.6162, 43.3425,
46.5859)**

Conversions

Conversions Part 1

Format	Color
Hex	82BBAE
RGB	130, 187, 174
RGB Percent	51%, 73%, 68%
CMY	0.4902, 0.2667, 0.3176
CMYK	0.30, 0.00, 0.07, 0.27
HSL	166°, 30%, 62%
HSV	166°, 30%, 73%
XYZ	34.6162, 43.3425, 46.5859
YIQ	168.4750, -29.7990, -16.1270

Conversions

Conversions Part 2

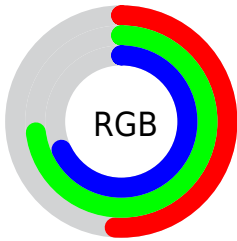
Format	Color
RYB	130, 162, 187
Decimal	8567726
CIELab	71.79, -21.32, 0.65
CIELCh	72, 21.334, 178.250
Yxy	43.3425, 0.2779, 0.3480
Android (android.graphics.Color)	4286757806 (0xFF82BBAE)
YUV	168.4750, 2.7238, -33.7426
Hunter-Lab	65.8350, -21.3556, 4.1300

Details

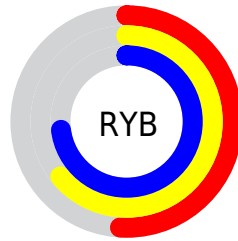
The XYZ color **34.6162, 43.3425, 46.5859** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.4355, 28.5143, 29.7298**, and the grayscale version is **37.4515, 39.4018, 42.9086**.

A 20% lighter version of the original color is **65.9606, 79.9487, 86.0839**, and **15.1798, 20.0750, 21.4872** is the 20% darker color. If you saturate the color by 10%, you get **31.5954, 41.8336, 44.3088**, and if you desaturate by 10%, it is **38.1740, 45.1289, 48.9590**.

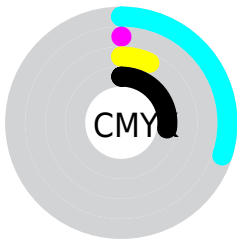
Distribution



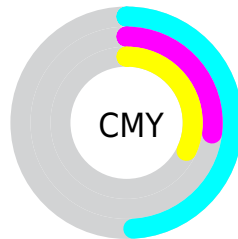
- Red (51%)
- Green (73%)
- Blue (68%)



- Red (51%)
- Yellow (64%)
- Blue (73%)



- Cyan (30%)
- Magenta (0%)
- Yellow (7%)
- Black (27%)



- Cyan (49%)
- Magenta (27%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6162, 43.3425, 46.5859 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 34.6162, 43.3425, 46.5859 by changing the saturation by 10% instead.

■ 34.6162, 43.3425,
46.5859

■ 34.6162, 43.3425,
46.5859

314.4088,
360.0184, 389.5050

■ 23.5325, 30.1539,
32.3564

■ 66.2287, 80.2274,
86.4387

■ 15.1101, 19.9555,
21.3668

■ 87.4883, 104.6926,
112.8990

■ 8.9835, 12.3627,
13.1985

■ 112.8705,
133.6855, 144.2734

■ 4.7874, 6.9912,
7.4331

142.7407,
167.5904, 180.9804

■ 2.1566, 3.4566,
3.6519

177.4643,
206.7917, 223.4385

■ 0.7197, 1.3745,
1.4364

217.4066,

■ 0.0000, 0.1978,

251.6739, 272.0663

0.1698

262.9330,
302.6213, 327.2823

■ 0.0000, 0.0000,
0.0000

■ 34.6162, 43.3425,
46.5859

■ 34.6162, 43.3425,
46.5859

■ 31.5954, 41.8336,
44.3088

■ 38.1740, 45.1289,
48.9590

■ 29.0795, 40.5824,
42.1227

■ 42.2913, 47.2011,
51.4269

■ 27.0386, 39.5746,
40.0265

■ 46.9939, 49.5735,
53.9924

■ 25.4383, 38.7924,
38.0179

■ 52.3047, 52.2578,
56.6571

■ 24.2391, 38.2155,
36.0946

■ 58.2456, 55.2654,
59.4227

■ 23.3945, 37.8200,
34.2535

■ 64.8372, 58.6068,
62.2908

■ 22.8318, 37.5665,
32.5728

■ 69.8935, 61.1552,
65.1595

■ 70.4118, 61.3625,
67.8891

■ 70.9443, 61.5755,
70.6930

Harmonies

Analogous

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



35.5501, 43.3425, 37.4514



34.6162, 43.3425, 46.5859



35.3576, 43.3425, 57.2822

Triad

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



34.6162, 43.3425, 46.5859



44.5826, 43.3425, 67.0442



44.9722, 43.3425, 32.1760

Complementary

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



34.6162, 43.3425, 46.5859



33.4355, 28.5143, 29.7298

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.



47.6436, 43.3425, 38.3633



34.6162, 43.3425, 46.5859



47.4096, 43.3425, 58.4915

Square

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



34.6162, 43.3425, 46.5859



40.9834, 43.3425, 70.0810



48.5603, 43.3425, 47.8046



41.4089, 43.3425, 29.9245

Rectangle

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



34.6162, 43.3425, 46.5859



36.7280, 43.3425, 63.7011



48.5603, 43.3425, 47.8046



46.0119, 43.3425, 33.8153

Sweetspot

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



34.6174, 43.3443, 46.5869



76.8040, 85.0694, 92.7050



33.1806, 43.0207, 27.6747



16.6571, 18.6045, 20.2696



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



34.6174, 43.3443, 46.5869



58.0500, 75.6518, 80.5127



32.8913, 37.7642, 52.5715



9.7129, 10.7713, 11.7378



15.7591, 25.8939, 22.5918



0.6405, 1.0236, 1.0074

Inverse Universe

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



33.4355, 28.5143, 29.7298



55.5815, 44.5985, 45.2460



34.6802, 32.4897, 25.5630



9.6169, 9.5711, 10.3717



14.4396, 7.4070, 2.3428



0.5913, 0.3004, 0.2273

Previews

White Background



This preview shows how the XYZ color 34.6162, 43.3425, 46.5859 looks on a white background.

Color Contrast Check

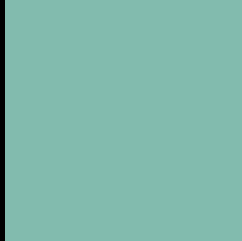
Large Text (above 18pt) WCAG AA × Fail

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 34.6162, 43.3425, 46.5859 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 34.6162, 43.3425, 46.5859

Background



This preview shows how black text looks on a background with the XYZ color 34.6162, 43.3425, 46.5859.



This preview shows how white text looks on a background with the XYZ color 34.6162, 43.3425,

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

34.6162, 43.3425, 46.5859

Protanopia

41.1274, 43.1533, 42.7210

Deuteranopia

43.8965, 43.0402, 48.1135



Tritanopia

37.1182, 43.0951, 59.7879

Trichromacy



Original Color

34.6162, 43.3425, 46.5859

Protanomaly

38.2761, 42.8239, 44.2787

Deuteranomaly

39.8233, 42.6600, 47.7303

Tritanomaly

35.9987, 42.9416, 54.5353

Monochromacy



Original Color

34.6162, 43.3425, 46.5859

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.9121, 40.4322, 43.9416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6162, 43.3425, 46.5859 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(130, 187, 174)` looks like.

```
.text, #text, p{  
    color:rgb(130, 187, 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(130, 187, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 187, 174) }
```

Border

The CSS property to change the border of an element to XYZ 34.6162, 43.3425, 46.5859 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(130, 187, 174) }
```


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

```
.border{ border-color:rgb(130, 187, 174) }
```

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

Here you see how a box with a 4 pixel rgb(130, 187, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 187, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 187, 174);  
box-shadow:4px 4px 4px 4px rgb(130, 187,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6162, 43.3425, 46.5859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 187, 174) }
```

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

```
.background{ background-color: rgb(130,  
187, 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