

Converting Colors

XYZ(34.4885, 42.1455, 48.3295)

Have a look what the booklet for
XYZ(34.4885, 42.1455, 48.3295)
contains.

XYZ(34.5364, 42.3206, 48.4679)	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(34.5364, 42.3206,
48.4679)**

Conversions

Conversions Part 1

Format	Color
Hex	83B8B2
RGB	131, 184, 178
RGB Percent	51%, 72%, 70%
CMY	0.4863, 0.2784, 0.3020
CMYK	0.29, 0.00, 0.03, 0.28
HSL	173°, 27%, 62%
HSV	173°, 29%, 72%
XYZ	34.5364, 42.3206, 48.4679
YIQ	167.4690, -29.6620, -13.1020

Conversions

Conversions Part 2

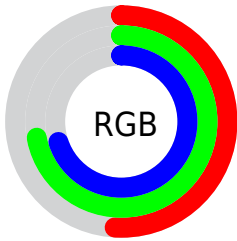
Format	Color
R_{YB}	131, 159, 184
Decimal	8632498
CIE _{Lab}	71.09, -18.60, -2.55
CIE _{LCh}	71, 18.775, 187.807
Yxy	42.3206, 0.2756, 0.3377
Android (android.graphics.Color)	4286822578 (0xFF83B8B2)
YUV	167.4690, 5.1918, -31.9833
Hunter-Lab	65.0543, -19.0819, 1.3647

Details

The XYZ color **34.5364, 42.3206, 48.4679** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.4002, 28.2302, 27.4098**, and the grayscale version is **36.9461, 38.8702, 42.3297**.

A 20% lighter version of the original color is **66.0190, 78.5750, 89.5288**, and **15.0424, 19.3755, 22.3491** is the 20% darker color. If you saturate the color by 10%, you get **31.7284, 40.8981, 47.2534**, and if you desaturate by 10%, it is **37.8561, 44.0087, 49.7248**.

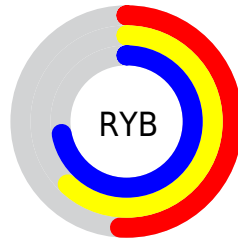
Distribution



Red (51%)

Green (72%)

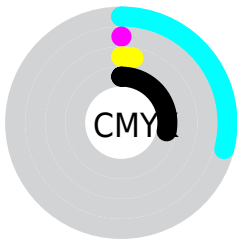
Blue (70%)



Red (51%)

Yellow (62%)

Blue (72%)

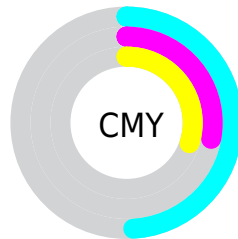


Cyan (29%)

Magenta (0%)

Yellow (3%)

Black (28%)



Cyan (49%)

Magenta (28%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5364, 42.3206, 48.4679 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 34.5364, 42.3206, 48.4679 by changing the saturation by 10% instead.

■ 34.5364, 42.3206,
48.4679

■ 34.5364, 42.3206,
48.4679

314.0613,
355.8102, 397.2059

■ 23.4708, 29.3524,
33.8350

■ 66.1057, 78.6846,
89.2734

■ 15.0641, 19.3476,
22.4905

■ 87.3402, 102.8492,
116.2831

■ 8.9510, 11.9217,
14.0160

■ 112.6949,
131.5148, 148.2554

■ 4.7661, 6.6904,
7.9929

142.5354,
165.0656, 185.6090

■ 2.1440, 3.2692,
4.0027

177.2269,
203.8862, 228.7622

■ 0.7130, 1.2739,
1.6268

217.1348,

■ 0.0000, 0.1208,

248.3609, 278.1338

0.3099

262.6245,
298.8741, 334.1421

■ 0.0000, 0.0000,
0.0000

■ 34.5364, 42.3206,
48.4679

■ 34.5364, 42.3206,
48.4679

■ 31.7284, 40.8981,
47.2534

■ 37.8561, 44.0087,
49.7248

■ 29.4018, 39.7223,
46.0770

■ 41.7087, 45.9700,
51.0223

■ 27.5283, 38.7798,
44.9383

■ 46.1185, 48.2183,
52.3627

■ 26.0757, 38.0538,
43.8356

■ 51.1075, 50.7648,
53.7470

■ 25.0070, 37.5254,
42.7673

■ 56.6963, 53.6200,
55.1763

■ 24.2791, 37.1724,
41.7311

■ 62.9044, 56.7942,
56.6515

■ 23.8169, 36.9559,
40.7235

■ 67.9609, 59.3743,
58.0898

■ 23.7670, 36.9327,
40.6043

■ 68.1944, 59.4677,
59.3194

■ 68.4312, 59.5625,
60.5664

Harmonies

Analogous

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



34.8910, 42.3206, 39.8544



34.5364, 42.3206, 48.4679



35.6420, 42.3206, 57.5085

Triad

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



34.5364, 42.3206, 48.4679



44.0387, 42.3206, 61.1300



42.5476, 42.3206, 31.8569

Complementary

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



34.5364, 42.3206, 48.4679



32.4002, 28.2302, 27.4098

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.



45.1838, 42.3206, 36.2757



34.5364, 42.3206, 48.4679



46.0755, 42.3206, 52.9222

Square

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



34.5364, 42.3206, 48.4679



41.0498, 42.3206, 65.4136



46.5051, 42.3206, 43.7717



39.4102, 42.3206, 30.9890

Rectangle

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



34.5364, 42.3206, 48.4679



37.0939, 42.3206, 62.3098



46.5051, 42.3206, 43.7717



43.5264, 42.3206, 32.9457

Sweetspot

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



34.5376, 42.3223, 48.4689



75.3469, 83.1982, 92.4054



31.5851, 41.2553, 27.7718



16.0131, 17.8186, 19.8463



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.



34.5376, 42.3223, 48.4689



59.0554, 74.9165, 86.3574



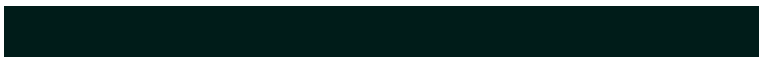
31.2319, 34.7251, 50.4059



9.2217, 10.1926, 11.3248



16.3958, 25.4593, 28.0699



0.5905, 0.9025, 1.0556

Inverse Universe

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



32.4002, 28.2302, 27.4098



54.5086, 44.9121, 41.5394



34.9829, 34.0657, 26.2050



9.0449, 9.0283, 9.5837



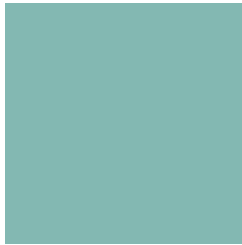
13.7294, 7.0655, 1.1961



0.4977, 0.2545, 0.1141

Previews

White Background



This preview shows how the XYZ color 34.5364, 42.3206, 48.4679 looks on a white background.

Color Contrast Check

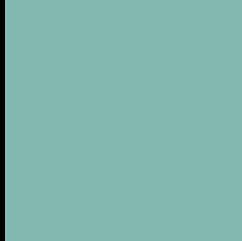
Large Text (above 18pt) WCAG AA × Fail

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 34.5364, 42.3206, 48.4679 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

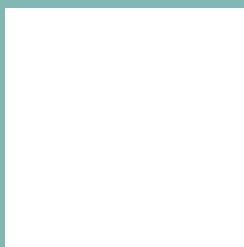
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5364, 42.3206, 48.4679

Background



This preview shows how black text looks on a background with the XYZ color 34.5364, 42.3206, 48.4679.

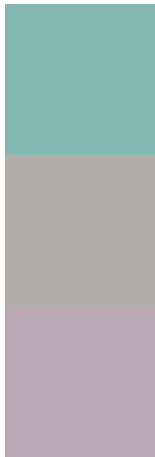


This preview shows how white text looks on a background with the XYZ color 34.5364, 42.3206,

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

34.5364, 42.3206, 48.4679

Protanopia

40.4257, 42.1745, 44.5379

Deuteranopia

42.8366, 41.9063, 49.5470



Tritanopia

36.4794, 42.1842, 58.4442

Trichromacy



Original Color

34.5364, 42.3206, 48.4679

Protanomaly

37.8593, 41.9739, 46.1508

Deuteranomaly

39.3106, 41.7829, 49.1730

Tritanomaly

35.7448, 42.1984, 54.4053

Monochromacy



Original Color

34.5364, 42.3206, 48.4679

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.6207, 39.6974, 44.3130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5364, 42.3206, 48.4679 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(131, 184, 178)` looks like.

```
.text, #text, p{  
    color:rgb(131, 184, 178)  
}
```

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(131, 184, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 184, 178) }
```

Border

The CSS property to change the border of an element to XYZ 34.5364, 42.3206, 48.4679 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(131, 184, 178) }
```


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

```
.border{ border-color:rgb(131, 184, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 184, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 184, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 184, 178);  
box-shadow:4px 4px 4px 4px rgb(131, 184,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5364, 42.3206, 48.4679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 184, 178) }
```

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

```
.background{ background-color: rgb(131,  
184, 178) }
```

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