

Converting Colors

XYZ(33.1777, 41.4471, 42.3285)

Have a look what the booklet for
XYZ(33.1777, 41.4471, 42.3285)
contains.

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Color

**XYZ(33.1765, 41.4454,
42.3276)**

Conversions

Conversions Part 1

Format	Color
Hex	83B7A6
RGB	131, 183, 166
RGB Percent	51%, 72%, 65%
CMY	0.4863, 0.2823, 0.3490
CMYK	0.28, 0.00, 0.09, 0.28
HSL	160°, 27%, 62%
HSV	160°, 28%, 72%
XYZ	33.1765, 41.4454, 42.3276
YIQ	165.5140, -25.5350, -16.3110

Conversions

Conversions Part 2

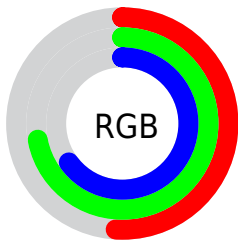
Format	Color
RYB	131, 162, 183
Decimal	8632230
CIELab	70.49, -20.74, 3.15
CIELCh	70, 20.979, 171.366
Yxy	41.4454, 0.2837, 0.3544
Android (android.graphics.Color)	4286822310 (0xFF83B7A6)
YUV	165.5140, 0.2396, -30.2688
Hunter-Lab	64.3781, -20.6738, 6.0824

Details

The XYZ color **33.1765, 41.4454, 42.3276** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.9915, 28.4391, 31.7691**, and the grayscale version is **36.0197, 37.8955, 41.2682**.

A 20% lighter version of the original color is **63.9252, 77.2677, 79.9516**, and **14.3282, 18.8856, 18.8097** is the 20% darker color. If you saturate the color by 10%, you get **30.0527, 39.8981, 39.3832**, and if you desaturate by 10%, it is **36.8288, 43.2644, 45.4319**.

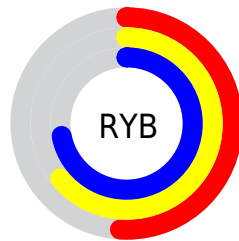
Distribution



Red (51%)

Green (72%)

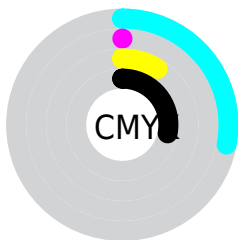
Blue (65%)



Red (51%)

Yellow (64%)

Blue (72%)

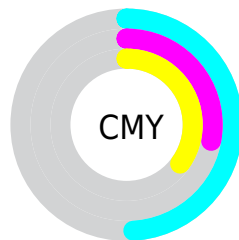


Cyan (28%)

Magenta (0%)

Yellow (9%)

Black (28%)



Cyan (49%)

Magenta (28%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1765, 41.4454, 42.3276 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 33.1765, 41.4454, 42.3276 by changing the saturation by 10% instead.

■ 33.1765, 41.4454,
42.3276

■ 33.1765, 41.4454,
42.3276

308.0952,
352.1787, 371.6788

■ 22.4216, 28.6673,
29.0304

■ 64.0038, 77.3596,
79.9706

■ 14.2853, 18.8293,
18.8581

■ 84.8069, 101.2644,
105.1536

■ 8.4024, 11.5470,
11.3920

■ 109.6902,
129.6469, 135.1355

■ 4.4075, 6.4360,
6.2137

139.0188,
162.8915, 170.3349

■ 1.9351, 3.1120,
2.9045

173.1583,
201.3826, 211.1704

■ 0.5971, 1.1905,
1.0461

212.4740,

■ 0.0000, 0.0539,

245.5046, 258.0606

0.0000

257.3312,
295.6418, 311.4238

■ 0.0000, 0.0000,
0.0000

■ 33.1765, 41.4454,
42.3276

■ 33.1765, 41.4454,
42.3276

■ 30.0527, 39.8981,
39.3832

■ 36.8288, 43.2644,
45.4319

■ 27.4272, 38.6036,
36.5927

■ 41.0309, 45.3628,
48.6961

■ 25.2721, 37.5488,
33.9540

■ 45.8070, 47.7540,
52.1239

■ 23.5552, 36.7170,
31.4636

■ 51.1790, 50.4494,
55.7182

■ 22.2399, 36.0896,
29.1179

■ 57.1675, 53.4595,
59.4814

■ 21.2838, 35.6445,
26.9131

■ 63.7920, 56.7943,
63.4162

■ 20.6161, 35.3453,
24.8437

■ 69.5452, 59.6768,
67.4537

■ 20.5200, 35.3027,
24.5273

■ 70.2950, 59.9767,
71.4019

■ 71.0728, 60.2879,
75.4980

Harmonies

Analogous

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



34.4226, 41.4454, 34.2493



33.1765, 41.4454, 42.3276



33.5181, 41.4454, 52.4278

Triad

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



33.1765, 41.4454, 42.3276



41.8656, 41.4454, 65.2900



43.6924, 41.4454, 31.8240

Complementary

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



33.1765, 41.4454, 42.3276



32.9915, 28.4391, 31.7691

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.



45.9163, 41.4454, 38.5375



33.1765, 41.4454, 42.3276



44.8194, 41.4454, 58.0938

Square

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



33.1765, 41.4454, 42.3276



38.4026, 41.4454, 66.6984



46.3404, 41.4454, 48.0472



40.3995, 41.4454, 28.7941

Rectangle

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



33.1765, 41.4454, 42.3276



34.6092, 41.4454, 58.9208



46.3404, 41.4454, 48.0472



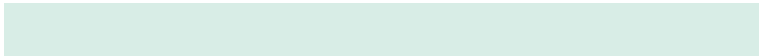
44.5976, 41.4454, 33.6738

Sweetspot

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



33.1777, 41.4471, 42.3285



72.8965, 80.9476, 86.7718



33.3047, 41.8344, 27.7930



15.8475, 17.7523, 18.9742



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.



33.1777, 41.4471, 42.3285



55.8698, 72.4676, 72.5314



33.1092, 38.6468, 50.5162



9.1384, 10.1593, 10.8862



14.3471, 24.6398, 17.2817



0.5330, 0.8795, 0.7524

Inverse Universe

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



32.9915, 28.4391, 31.7691



55.4858, 45.3958, 50.5730



32.9559, 30.3660, 25.5977



9.1224, 9.0593, 9.9922



14.2178, 7.2609, 3.7677



0.5305, 0.2677, 0.2871

Previews

White Background



This preview shows how the XYZ color 33.1765, 41.4454, 42.3276 looks on a white background.

Color Contrast Check

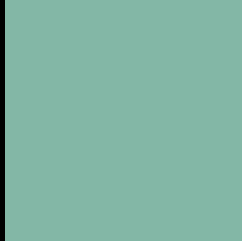
Large Text (above 18pt) WCAG AA × Fail

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 33.1765, 41.4454, 42.3276 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 33.1765, 41.4454, 42.3276

Background



This preview shows how black text looks on a background with the XYZ color 33.1765, 41.4454, 42.3276.

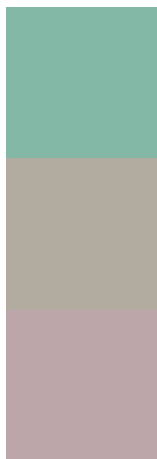


This preview shows how white text looks on a background with the XYZ color 33.1765, 41.4454,

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

33.1765, 41.4454, 42.3276

Protanopia

39.2682, 41.1289, 39.1267

Deuteranopia

41.7839, 40.9558, 43.2391



Tritanopia

36.0623, 41.4088, 56.5441

Trichromacy



Original Color

33.1765, 41.4454, 42.3276

Protanomaly

36.5495, 40.8456, 40.1401

Deuteranomaly

37.9689, 40.6570, 42.8922

Tritanomaly

34.8602, 41.2123, 50.9172

Monochromacy



Original Color

33.1765, 41.4454, 42.3276

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.7723, 39.0305, 41.7773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1765, 41.4454, 42.3276 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, 183, 166)` looks like.

```
.text, #text, p{  
    color:rgb(131, 183, 166)  
}
```

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, 183, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 183, 166) }
```

Border

The CSS property to change the border of an element to XYZ 33.1765, 41.4454, 42.3276 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, 183, 166) }
```


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

```
.border{ border-color:rgb(131, 183, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 183, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 183, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 183, 166);  
box-shadow:4px 4px 4px 4px rgb(131, 183,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1765, 41.4454, 42.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 183, 166) }
```

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

```
.background{ background-color: rgb(131,  
183, 166) }
```

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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