

Converting Colors

XYZ(36.3568, 48.2760, 43.4664)

Have a look what the booklet for
XYZ(36.3568, 48.2760, 43.4664)
contains.

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Color

**XYZ(36.3596, 48.2671,
43.4765)**

Conversions

Conversions Part 1

Format	Color
Hex	81C7A6
RGB	129, 199, 166
RGB Percent	51%, 78%, 65%
CMY	0.4941, 0.2196, 0.3490
CMYK	0.35, 0.00, 0.17, 0.22
HSL	152°, 38%, 64%
HSV	152°, 35%, 78%
XYZ	36.3596, 48.2671, 43.4765
YIQ	174.3080, -31.1270, -25.1030

Conversions

Conversions Part 2

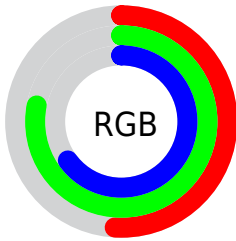
Format	Color
RYB	129, 175, 199
Decimal	8505254
CIELab	74.99, -29.25, 9.61
CIElCh	75, 30.786, 161.811
Yxy	48.2671, 0.2838, 0.3768
Android (android.graphics.Color)	4286695334 (0xFF81C7A6)
YUV	174.3080, -4.0958, -39.7351
Hunter-Lab	69.4745, -28.1622, 11.5291

Details

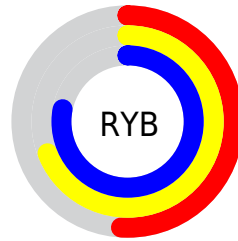
The XYZ color **36.3596, 48.2671, 43.4765** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.9267, 30.4524, 38.0633**, and the grayscale version is **40.4234, 42.5286, 46.3136**.

A 20% lighter version of the original color is **68.5783, 86.9308, 81.5715**, and **16.1432, 23.0022, 19.5086** is the 20% darker color. If you saturate the color by 10%, you get **32.7968, 46.5276, 38.9804**, and if you desaturate by 10%, it is **40.5765, 50.3392, 48.3331**.

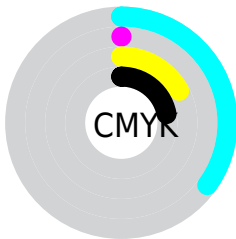
Distribution



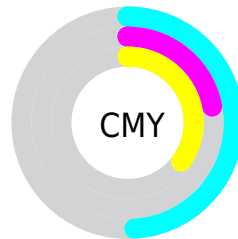
- Red (51%)
- Green (78%)
- Blue (65%)



- Red (51%)
- Yellow (69%)
- Blue (78%)



- Cyan (35%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)





- Cyan (49%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3596, 48.2671, 43.4765 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 36.3596, 48.2671, 43.4765 by changing the saturation by 10% instead.


 36.3596, 48.2671,
43.4765


 36.3596, 48.2671,
43.4765


321.9335,
379.8499, 376.5464


 24.8834, 34.0385,
29.9250


 68.9070, 87.6020,
81.7235

 16.1185, 22.9231,
19.5301

 90.7089, 113.4770,
107.2560

 9.6994, 14.5368,
11.8733


 116.6835,
144.0029, 137.6194

 5.2609, 8.4949,
6.5359

147.1961,
179.5641, 173.2320

 2.4374, 4.4132,
3.0996

182.6120,
220.5450, 214.5125

 0.8638, 1.9073,
1.1457

223.2966,

 0.0000, 0.5528,

267.3300, 261.8793

0.0000

269.6153,
320.3035, 315.7511

■ 0.0000, 0.0000,
0.0000

■ 36.3596, 48.2671,
43.4765

■ 36.3596, 48.2671,
43.4765

■ 32.7968, 46.5276,
38.9804

■ 40.5765, 50.3392,
48.3331

■ 29.8486, 45.0964,
34.8329

■ 45.4764, 52.7547,
53.5551

■ 27.4769, 43.9556,
31.0261

■ 51.0912, 55.5311,
59.1516

■ 25.6378, 43.0826,
27.5504

■ 57.4494, 58.6832,
65.1304

■ 24.2805, 42.4512,
24.3958

■ 64.5783, 62.2247,
71.4988

■ 23.3431, 42.0300,
21.5514

■ 72.5034, 66.1687,
78.2641

■ 22.9836, 41.8723,
20.2850

■ 76.1837, 67.9163,
85.1963

■ 77.5501, 68.4629,
92.3914

■ 78.9886, 69.0383,
99.9667

Harmonies

Analogous

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



39.0447, 48.2671, 32.7028



36.3596, 48.2671, 43.4765



36.0938, 48.2671, 59.1451

Triad

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



36.3596, 48.2671, 43.4765



48.1233, 48.2671, 89.0277



54.4087, 48.2671, 34.5092

Complementary

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



36.3596, 48.2671, 43.4765



37.9267, 30.4524, 38.0633

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.



57.2839, 48.2671, 46.4730



36.3596, 48.2671, 43.4765



53.4619, 48.2671, 79.1521

Square

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



36.3596, 48.2671, 43.4765



42.5862, 48.2671, 87.7677



56.9239, 48.2671, 62.8160



49.3319, 48.2671, 28.3009

Rectangle

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



36.3596, 48.2671, 43.4765



37.2949, 48.2671, 70.6081



56.9239, 48.2671, 62.8160



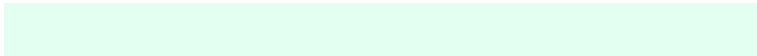
55.6827, 48.2671, 37.8750

Sweetspot

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



36.3609, 48.2691, 43.4776



83.4161, 94.2401, 97.6217



39.4576, 50.2028, 28.3801



17.5713, 20.0313, 20.6098



0.0000, 0.0000, 0.0000



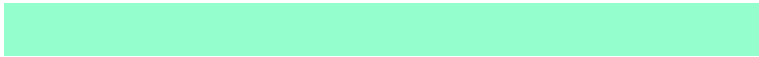
20.3446, 21.4041, 23.3091

Same Dimension

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



36.3609, 48.2691, 43.4776



58.9148, 82.1906, 70.2059



39.5197, 49.1047, 61.4303



10.7278, 11.9800, 12.5167



14.8229, 26.9415, 13.2781



0.7383, 1.2902, 0.8204

Inverse Universe

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



37.9267, 30.4524, 38.0633



62.0526, 46.5038, 59.3691



35.5218, 29.7378, 24.6373



10.8385, 10.7188, 12.1330



16.4827, 8.3426, 7.7517



0.8170, 0.4096, 0.5594

Previews

White Background



This preview shows how the XYZ color 36.3596, 48.2671, 43.4765 looks on a white background.

Color Contrast Check

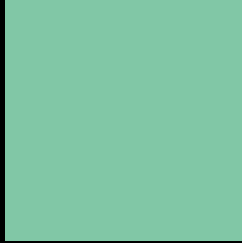
Large Text (above 18pt) WCAG AA × Fail

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 36.3596, 48.2671, 43.4765 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 36.3596, 48.2671, 43.4765

Background



This preview shows how black text looks on a background with the XYZ color 36.3596, 48.2671, 43.4765.



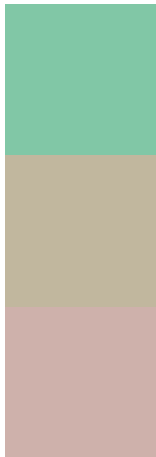
This preview shows how white text looks on a background with the XYZ color 36.3596, 48.2671,

43.4765.

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

36.3596, 48.2671, 43.4765

Protanopia

45.0974, 47.6731, 39.1727

Deuteranopia

48.5264, 47.5064, 45.1401



Tritanopia

41.0598, 48.1467, 67.4508

Trichromacy



Original Color

36.3596, 48.2671, 43.4765

Protanomaly

41.2082, 47.5144, 40.7175

Deuteranomaly

42.8705, 47.0275, 44.3538

Tritanomaly

39.1324, 48.0314, 57.6606

Monochromacy



Original Color

36.3596, 48.2671, 43.4765

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.3847, 44.0763, 45.0126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3596, 48.2671, 43.4765 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(129, 199, 166)` looks like.

```
.text, #text, p{  
    color:rgb(129, 199, 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(129, 199, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 199, 166) }
```

Border

The CSS property to change the border of an element to XYZ 36.3596, 48.2671, 43.4765 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(129, 199, 166) }
```


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

```
.border{ border-color:rgb(129, 199, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 199, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 199, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 199, 166);  
box-shadow:4px 4px 4px 4px rgb(129, 199,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3596, 48.2671, 43.4765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 199, 166) }
```

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

```
.background{ background-color: rgb(129,  
199, 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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