

Converting Colors

XYZ(35.6993, 46.2429, 43.3059)

Have a look what the booklet for
XYZ(35.6993, 46.2429, 43.3059)
contains.

XYZ(35.6904, 46.2423, 43.1210)	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(35.6904, 46.2423,
43.1210)**

Conversions

Conversions Part 1

Format	Color
Hex	84C2A6
RGB	132, 194, 166
RGB Percent	52%, 76%, 65%
CMY	0.4823, 0.2392, 0.3490
CMYK	0.32, 0.00, 0.14, 0.24
HSL	153°, 34%, 64%
HSV	153°, 32%, 76%
XYZ	35.6904, 46.2423, 43.1210
YIQ	172.2700, -27.9640, -21.8520

Conversions

Conversions Part 2

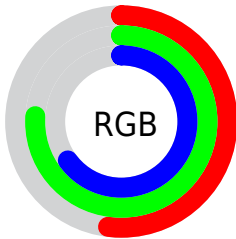
Format	Color
RYB	132, 172, 194
Decimal	8700582
CIELab	73.70, -25.93, 7.79
CIElCh	74, 27.070, 163.281
Yxy	46.2423, 0.2854, 0.3698
Android (android.graphics.Color)	4286890662 (0xFF84C2A6)
YUV	172.2700, -3.0911, -35.3168
Hunter-Lab	68.0017, -25.3180, 10.0044

Details

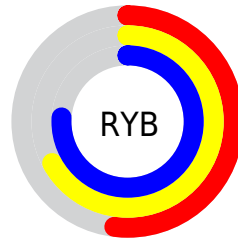
The XYZ color **35.6904, 46.2423, 43.1210** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.8461, 30.5109, 37.2066**, and the grayscale version is **39.3757, 41.4263, 45.1133**.

A 20% lighter version of the original color is **68.0418, 84.7796, 81.1845**, and **15.7236, 21.6765, 19.2749** is the 20% darker color. If you saturate the color by 10%, you get **32.1578, 44.5121, 38.9025**, and if you desaturate by 10%, it is **39.8445, 48.2890, 47.6564**.

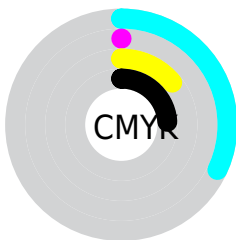
Distribution



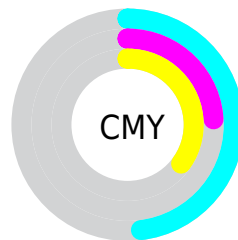
- Red (52%)
- Green (76%)
- Blue (65%)



- Red (52%)
- Yellow (67%)
- Blue (76%)



- Cyan (32%)
- Magenta (0%)
- Yellow (14%)
- Black (24%)





- Cyan (48%)
- Magenta (24%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6904, 46.2423, 43.1210 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 35.6904, 46.2423, 43.1210 by changing the saturation by 10% instead.


 35.6904, 46.2423,
43.1210


 35.6904, 46.2423,
43.1210


319.0602,
371.7819, 375.0450


 24.3642, 32.4371,
29.6480


 67.8809, 84.5815,
81.1817

 15.7302, 21.6956,
19.3218


 89.4760, 109.8843,
106.6065

 9.4231, 13.6334,
11.7238


 115.2246,
139.7883, 136.8523

 5.0775, 7.8661,
6.4357

145.4923,
174.6781, 172.3376

 2.3280, 4.0094,
3.0387

180.6444,
214.9379, 213.4810

 0.8089, 1.6788,
1.1144

221.0461,

 0.0000, 0.4099,

260.9522, 260.7010

0.0000

267.0630,
313.1054, 314.4161

■ 0.0000, 0.0000,
0.0000

■ 35.6904, 46.2423,
43.1210

■ 35.6904, 46.2423,
43.1210

■ 32.1578, 44.5121,
38.9025

■ 39.8445, 48.2890,
47.6564

■ 29.2104, 43.0762,
34.9907

■ 44.6462, 50.6619,
52.5125

■ 26.8141, 41.9183,
31.3791

■ 50.1248, 53.3771,
57.6971

■ 24.9292, 41.0182,
28.0599

■ 56.3065, 56.4481,
63.2164

■ 23.5106, 40.3526,
25.0246

■ 63.2161, 59.8876,
69.0768

■ 22.5045, 39.8940,
22.2644

■ 70.8773, 63.7076,
75.2844

■ 21.9143, 39.6340,
20.2362

■ 74.4440, 65.4099,
81.6170

■ 75.6870, 65.9071,
88.1624

■ 76.9924, 66.4292,
95.0368

Harmonies

Analogous

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



37.9220, 46.2423, 33.4516



35.6904, 46.2423, 43.1210



35.5658, 46.2423, 56.6710

Triad

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



35.6904, 46.2423, 43.1210



46.1069, 46.2423, 80.7127



51.0206, 46.2423, 34.3128

Complementary

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



35.6904, 46.2423, 43.1210



36.8461, 30.5109, 37.2066

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.



53.5624, 46.2423, 44.5174



35.6904, 46.2423, 43.1210



50.5893, 46.2423, 72.1532

Square

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



35.6904, 46.2423, 43.1210



41.3494, 46.2423, 80.1517



53.3990, 46.2423, 58.3449



46.6614, 46.2423, 29.0370

Rectangle

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



35.6904, 46.2423, 43.1210



36.6775, 46.2423, 66.2956



53.3990, 46.2423, 58.3449



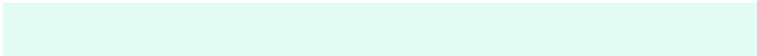
52.1297, 46.2423, 37.1911

Sweetspot

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



35.6917, 46.2442, 43.1220



82.5796, 92.6218, 96.7825



38.1426, 47.8217, 29.0505



17.7878, 20.1365, 20.9069



0.0000, 0.0000, 0.0000



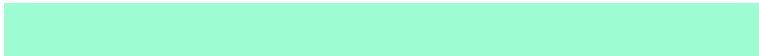
20.3446, 21.4041, 23.3091

Same Dimension

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



35.6917, 46.2442, 43.1220



60.2869, 81.6332, 72.9818



38.0898, 46.4726, 58.0038



10.1703, 11.3492, 11.9002



14.4492, 26.0737, 13.5244



0.6587, 1.1403, 0.7653

Inverse Universe

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



36.8461, 30.5109, 37.2066



62.6910, 48.8939, 60.6816



34.9486, 30.2049, 25.8184



10.2581, 10.1518, 11.4495



15.8154, 8.0159, 6.9398



0.7180, 0.3602, 0.4826

Previews

White Background



This preview shows how the XYZ color 35.6904, 46.2423, 43.1210 looks on a white background.

Color Contrast Check

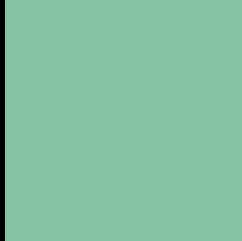
Large Text (above 18pt) WCAG AA × Fail

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 35.6904, 46.2423, 43.1210 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

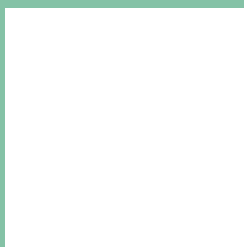
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6904, 46.2423, 43.1210

Background



This preview shows how black text looks on a background with the XYZ color 35.6904, 46.2423, 43.1210.



This preview shows how white text looks on a background with the XYZ color 35.6904, 46.2423,

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

35.6904, 46.2423, 43.1210

Protanopia

43.5655, 45.9645, 39.3768

Deuteranopia

46.7489, 45.7309, 44.3932



Tritanopia

39.9119, 46.3303, 63.9658

Trichromacy



Original Color

35.6904, 46.2423, 43.1210

Protanomaly

40.0190, 45.6314, 40.8809

Deuteranomaly

41.8168, 45.2594, 44.0681

Tritanomaly

38.2416, 46.2977, 55.6360

Monochromacy



Original Color

35.6904, 46.2423, 43.1210

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.4816, 42.7129, 44.2991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6904, 46.2423, 43.1210 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(132, 194, 166)` looks like.

```
.text, #text, p{  
    color:rgb(132, 194, 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(132, 194, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 194, 166) }
```

Border

The CSS property to change the border of an element to XYZ 35.6904, 46.2423, 43.1210 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(132, 194, 166) }
```


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

```
.border{ border-color:rgb(132, 194, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 194, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 194, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 194, 166);  
box-shadow:4px 4px 4px 4px rgb(132, 194,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6904, 46.2423, 43.1210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 194, 166) }
```

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

```
.background{ background-color: rgb(132,  
194, 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](#).

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