

Converting Colors

XYZ(33.2923, 46.3560, 42.7902)

Have a look what the booklet for
XYZ(33.2923, 46.3560, 42.7902)
contains.

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Color

**XYZ(33.2923, 46.3560,
42.7902)**

Conversions

Conversions Part 1

Format	Color
Hex	6DC6A5
RGB	109, 198, 165
RGB Percent	43%, 78%, 65%
CMY	0.5725, 0.2235, 0.3529
CMYK	0.45, 0.00, 0.17, 0.22
HSL	158°, 44%, 60%
HSV	158°, 45%, 78%
XYZ	33.2923, 46.3560, 42.7902
YIQ	167.6270, -42.4510, -29.1310

Conversions

Conversions Part 2

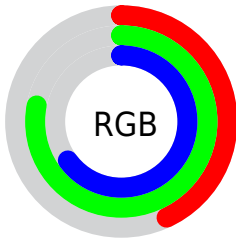
Format	Color
RYB	109, 164, 198
Decimal	7194277
CIELab	73.78, -34.51, 8.29
CIELCh	74, 35.491, 166.491
Yxy	46.3560, 0.2719, 0.3786
Android (android.graphics.Color)	4285384357 (0xFF6DC6A5)
YUV	167.6270, -1.2951, -51.4159
Hunter-Lab	68.0852, -31.8663, 10.3971

Details

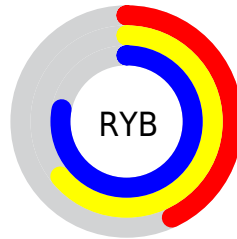
The XYZ color **33.2923, 46.3560, 42.7902** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.6414, 24.8972, 28.6256**, and the grayscale version is **37.0587, 38.9887, 42.4587**.

A 20% lighter version of the original color is **64.1953, 84.6866, 80.6729**, and **14.4221, 21.8957, 19.0889** is the 20% darker color. If you saturate the color by 10%, you get **30.4764, 44.9806, 39.2701**, and if you desaturate by 10%, it is **36.6977, 48.0333, 46.5402**.

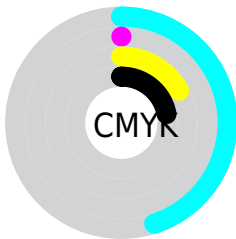
Distribution



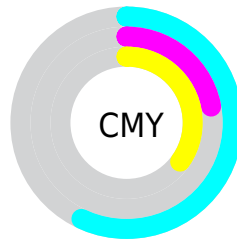
- Red (43%)
- Green (78%)
- Blue (65%)



- Red (43%)
- Yellow (64%)
- Blue (78%)



- Cyan (45%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)



- Cyan (57%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2923, 46.3560, 42.7902 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 33.2923, 46.3560, 42.7902 by changing the saturation by 10% instead.

33.2923, 46.3560,
42.7902

33.2923, 46.3560,
42.7902

308.6065,
372.2380, 373.6441

22.5108, 32.5268,
29.3904

64.1832, 84.7515,
80.6771

14.3514, 21.7642,
19.1282

85.0234, 110.0867,
106.0013

8.4488, 13.6838,
11.5852

109.9471,
140.0260, 136.1373

4.4376, 7.9010,
6.3428

139.3197,
174.9538, 171.5037

1.9526, 4.0317,
2.9825

173.5066,
215.2545, 212.5191

0.6071, 1.6913,
1.0857

212.8731,

0.0000, 0.4180,

261.3125, 259.6019

0.0000

257.7847,
313.5122, 313.1707

■ 0.0000, 0.0000,
0.0000

■ 33.2923, 46.3560,
42.7902

■ 33.2923, 46.3560,
42.7902

■ 30.4764, 44.9806,
39.2701

■ 36.6977, 48.0333,
46.5402

■ 28.2084, 43.8820,
35.9717

■ 40.7233, 50.0246,
50.5217

■ 26.4468, 43.0403,
32.8905


■ 45.4021, 52.3481,
54.7406


■ 25.1425, 42.4300,
30.0208

■ 50.7635, 55.0188,
59.2012


■ 24.2356, 42.0206,
27.3561


■ 56.8352, 58.0510,
63.9079

 23.8700, 41.8599,
26.0843

 63.6432, 61.4580,
68.8649

 71.2124, 65.2526,
74.0763

 74.8540, 67.0174,
79.3254

 75.8701, 67.4239,
84.6761

Harmonies

Analogous

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



35.8394, 46.3560, 30.1454



33.2923, 46.3560, 42.7902



33.4280, 46.3560, 60.9850

Triad

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



33.2923, 46.3560, 42.7902



47.5917, 46.3560, 91.6208



52.9444, 46.3560, 29.2482

Complementary

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



33.2923, 46.3560, 42.7902



33.6414, 24.8972, 28.6256

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.



56.7366, 46.3560, 41.2456



33.2923, 46.3560, 42.7902



53.4503, 46.3560, 78.3488

Square

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



33.2923, 46.3560, 42.7902



41.2884, 46.3560, 92.3185



56.9301, 46.3560, 59.0262



46.9530, 46.3560, 23.6820

Rectangle

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



33.2923, 46.3560, 42.7902



35.0147, 46.3560, 74.0650



56.9301, 46.3560, 59.0262



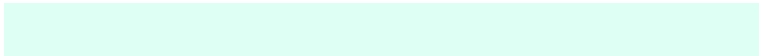
54.5426, 46.3560, 32.5136

Sweetspot

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



33.2936, 46.3579, 42.7913



81.9718, 93.4793, 98.2858



34.3038, 47.3443, 21.7991



17.1158, 19.7947, 20.6675



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.



33.2936, 46.3579, 42.7913



54.0284, 79.6795, 69.6212



34.4026, 43.1331, 59.9406



10.7734, 11.9983, 12.7571



15.5651, 27.2384, 17.1863



0.7712, 1.3034, 0.9936

Inverse Universe

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



33.6414, 24.8972, 28.6256



54.7378, 36.8932, 41.4579



32.6930, 26.3962, 17.8406



10.7938, 10.7009, 11.8973



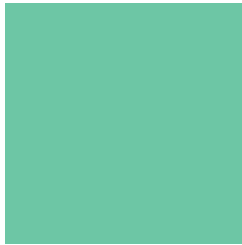
15.9746, 8.1394, 5.0759



0.7913, 0.3994, 0.4242

Previews

White Background



This preview shows how the XYZ color 33.2923, 46.3560, 42.7902 looks on a white background.

Color Contrast Check

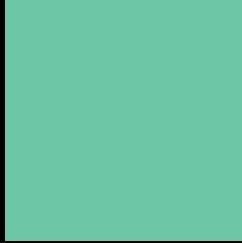
Large Text (above 18pt) WCAG AA × Fail

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 33.2923, 46.3560, 42.7902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

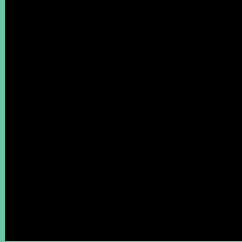
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2923, 46.3560, 42.7902

Background



This preview shows how black text looks on a background with the XYZ color 33.2923, 46.3560, 42.7902.

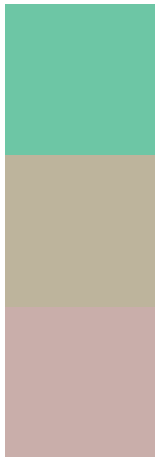


This preview shows how white text looks on a background with the XYZ color 33.2923, 46.3560,

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

33.2923, 46.3560, 42.7902

Protanopia

43.3083, 45.8616, 38.0221

Deuteranopia

46.4791, 45.5919, 44.3806



Tritanopia

37.9805, 46.2464, 66.5992

Trichromacy



Original Color

33.2923, 46.3560, 42.7902

Protanomaly

38.5255, 45.5174, 39.5561

Deuteranomaly

40.1498, 45.0190, 43.6192

Tritanomaly

36.0087, 46.1023, 56.8700

Monochromacy



Original Color

33.2923, 46.3560, 42.7902

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.1278, 41.2333, 42.6666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2923, 46.3560, 42.7902 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(109, 198, 165)` looks like.

```
.text, #text, p{  
    color:rgb(109, 198, 165)  
}
```

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(109, 198, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 198, 165) }
```

Border

The CSS property to change the border of an element to XYZ 33.2923, 46.3560, 42.7902 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(109, 198, 165) }
```


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

```
.border{ border-color:rgb(109, 198, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 198, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 198, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 198, 165); box-shadow:4px 4px 4px 4px rgb(109, 198, 165) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2923, 46.3560, 42.7902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 198, 165) }
```

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

```
.background{ background-color: rgb(109,  
198, 165) }
```

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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