

Converting Colors

XYZ(35.5939, 42.8590, 20.5961)

Have a look what the booklet for
XYZ(35.5939, 42.8590, 20.5961)
contains.

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Color

**XYZ(35.5832, 42.8634,
20.5854)**

Conversions

Conversions Part 1

Format	Color
Hex	A8B66C
RGB	168, 182, 108
RGB Percent	66%, 71%, 42%
CMY	0.3412, 0.2863, 0.5765
CMYK	0.08, 0.00, 0.41, 0.29
HSL	71°, 34%, 57%
HSV	71°, 41%, 71%
XYZ	35.5832, 42.8634, 20.5854
YIQ	169.3780, 15.4100, -25.9820

Conversions

Conversions Part 2

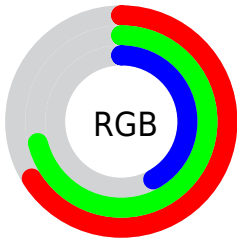
Format	Color
RYB	108, 182, 122
Decimal	11056748
CIELab	71.46, -16.63, 36.01
CIELCh	71, 39.664, 114.789
Yxy	42.8634, 0.3593, 0.4328
Android (android.graphics.Color)	4289246828 (0xFFA8B66C)
YUV	169.3780, -30.2594, -1.2085
Hunter-Lab	65.4701, -17.5575, 27.1869

Details

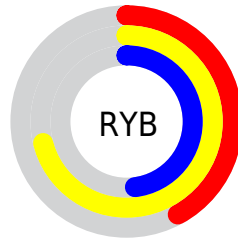
The XYZ color **35.5832, 42.8634, 20.5854** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.8337, 18.2412, 46.6285**, and the grayscale version is **38.0402, 40.0213, 43.5832**.

A 20% lighter version of the original color is **67.7480, 79.5696, 45.5060**, and **15.7099, 19.6611, 7.1046** is the 20% darker color. If you saturate the color by 10%, you get **33.9908, 42.1443, 15.9718**, and if you desaturate by 10%, it is **37.3994, 43.6772, 26.2667**.

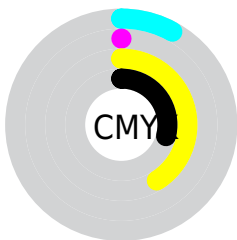
Distribution



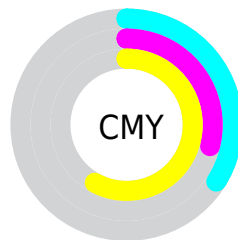
- Red (66%)
- Green (71%)
- Blue (42%)



- Red (42%)
- Yellow (71%)
- Blue (48%)



- Cyan (8%)
- Magenta (0%)
- Yellow (41%)
- Black (29%)



- Cyan (34%)
- Magenta (29%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5832, 42.8634, 20.5854 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 35.5832, 42.8634, 20.5854 by changing the saturation by 10% instead.

■ 35.5832, 42.8634,
20.5854

■ 35.5832, 42.8634,
20.5854

318.5982,
358.0497, 267.7751

■ 24.2811, 29.7780,
12.6330

■ 67.7163, 79.5047,
45.2683

■ 15.6681, 19.6701,
7.0486

■ 89.2781, 103.8293,
62.8359

■ 9.3790, 12.1555,
3.4136

■ 114.9904,
132.6691, 84.4456

■ 5.0483, 6.8497,
1.3095

■ 145.2187,
166.4085, 110.5160

■ 2.3107, 3.3683,
0.0696

180.3282,
205.4319, 141.4656

■ 0.8001, 1.3269,
0.0000

220.6844,

■ 0.0000, 0.1619,

250.1236, 177.7130

0.0000

266.6526,
300.8681, 219.6766

■ 0.0000, 0.0000,
0.0000

■ 35.5832, 42.8634,
20.5854

■ 35.5832, 42.8634,
20.5854

■ 33.9908, 42.1443,
15.9718

■ 37.3994, 43.6772,
26.2667

■ 32.6061, 41.5091,
12.3564

■ 39.4480, 44.5848,
33.0739

■ 31.4160, 40.9539,
9.6658


■ 41.7408, 45.5923,
41.0646


■ 30.4042, 40.4722,
7.8152


■ 44.2881, 46.7038,
50.2912


■ 29.5516, 40.0564,
6.7044


■ 47.0992, 47.9233,
60.8032

 28.8625, 39.7128,
6.1441

 50.1833, 49.2542,
72.6475

 53.5489, 50.7001,
85.8683

 57.2043, 52.2643,
100.5082

 58.3316, 52.8196,
101.7285

Harmonies

Analogous

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



41.9194, 42.8634, 18.7639



35.5832, 42.8634, 20.5854



31.1114, 42.8634, 28.4944

Triad

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



35.5832, 42.8634, 20.5854



33.7667, 42.8634, 83.6894



54.9348, 42.8634, 50.0962

Complementary

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



35.5832, 42.8634, 20.5854



21.8337, 18.2412, 46.6285

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.



52.1756, 42.8634, 71.2881



35.5832, 42.8634, 20.5854



39.5836, 42.8634, 93.7913

Square

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



35.5832, 42.8634, 20.5854



30.1458, 42.8634, 63.8773



46.3732, 42.8634, 88.7238



53.5650, 42.8634, 32.8703

Rectangle

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



35.5832, 42.8634, 20.5854



29.5490, 42.8634, 37.6600



46.3732, 42.8634, 88.7238



54.4513, 42.8634, 57.0155

Sweetspot

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



35.5843, 42.8653, 20.5863



75.0005, 82.3599, 72.0660



28.9061, 24.8419, 17.4594



16.4427, 18.1370, 15.4848



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.



35.5843, 42.8653, 20.5863



61.8468, 76.5057, 29.5794



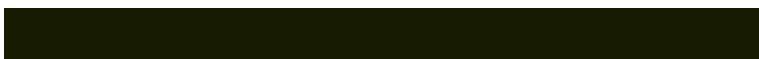
28.8635, 39.4007, 20.2718



9.5791, 10.4152, 9.6124



20.4341, 28.0705, 4.3412



0.7639, 1.0120, 0.1551

Inverse Universe

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



21.8337, 18.2412, 46.6285



33.4556, 25.6189, 83.4174



28.0198, 21.4302, 46.9180



8.6755, 8.7991, 11.3206



6.4818, 2.6527, 31.4235



0.2766, 0.1183, 1.1100

Previews

White Background



This preview shows how the XYZ color 35.5832, 42.8634, 20.5854 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 35.5832, 42.8634, 20.5854 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

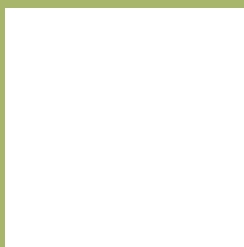
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.5832, 42.8634, 20.5854

Background



This preview shows how black text looks on a background with the XYZ color 35.5832, 42.8634, 20.5854.



This preview shows how white text looks on a background with the XYZ color 35.5832, 42.8634,

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

35.5832, 42.8634, 20.5854

Protanopia

39.3656, 42.7562, 19.5426

Deuteranopia

43.5519, 42.6340, 20.9727



Tritanopia

42.1666, 42.8973, 52.5120

Trichromacy



Original Color

35.5832, 42.8634, 20.5854

Protanomaly

38.0504, 42.9487, 19.9201

Deuteranomaly

40.0727, 42.2329, 20.7916

Tritanomaly

39.1524, 42.5180, 38.4910

Monochromacy



Original Color

35.5832, 42.8634, 20.5854

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.7647, 40.8137, 33.5439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5832, 42.8634, 20.5854 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(168, 182, 108)` looks like.

```
.text, #text, p{  
    color:rgb(168, 182, 108)  
}
```

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(168, 182, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 182, 108) }
```

Border

The CSS property to change the border of an element to XYZ 35.5832, 42.8634, 20.5854 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(168, 182, 108) }
```


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

```
.border{ border-color:rgb(168, 182, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 182, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 182, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 182, 108);  
box-shadow:4px 4px 4px 4px rgb(168, 182,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5832, 42.8634, 20.5854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 182, 108) }
```

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

```
.background{ background-color: rgb(168,  
182, 108) }
```

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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