

Converting Colors

XYZ(35.3630, 44.0084, 21.8763)

Have a look what the booklet for
XYZ(35.3630, 44.0084, 21.8763)
contains.

XYZ(35.3838, 43.9690, 21.9512)	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(35.3838, 43.9690,
21.9512)**

Conversions

Conversions Part 1

Format	Color
Hex	A2BA70
RGB	162, 186, 112
RGB Percent	64%, 73%, 44%
CMY	0.3647, 0.2706, 0.5608
CMYK	0.13, 0.00, 0.40, 0.27
HSL	79°, 35%, 58%
HSV	79°, 40%, 73%
XYZ	35.3838, 43.9690, 21.9512
YIQ	170.3880, 9.4500, -28.1020

Conversions

Conversions Part 2

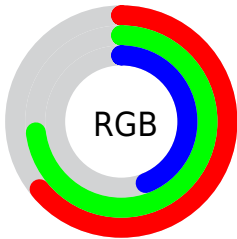
Format	Color
R _{YB}	112, 186, 136
Decimal	10664560
CIE Lab	72.21, -20.52, 34.81
CIE LCh	72, 40.407, 120.517
Yxy	43.9690, 0.3493, 0.4340
Android (android.graphics.Color)	4288854640 (0xFFA2BA70)
YUV	170.3880, -28.7853, -7.3563
Hunter-Lab	66.3091, -20.7900, 26.7888

Details

The XYZ color **35.3838, 43.9690, 21.9512** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **24.8122, 20.3690, 49.0807**, and the grayscale version is **38.5391, 40.5462, 44.1548**.

A 20% lighter version of the original color is **67.4571, 81.1263, 47.7009**, and **15.5637, 20.3741, 7.6697** is the 20% darker color. If you saturate the color by 10%, you get **33.2573, 42.9817, 16.9929**, and if you desaturate by 10%, it is **37.7853, 45.0761, 28.0409**.

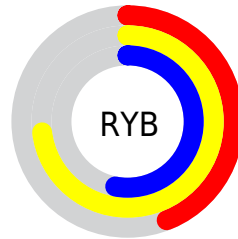
Distribution



Red (64%)

Green (73%)

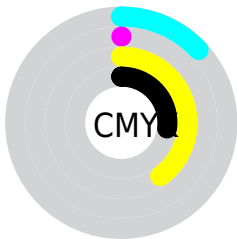
Blue (44%)



Red (44%)

Yellow (73%)

Blue (53%)

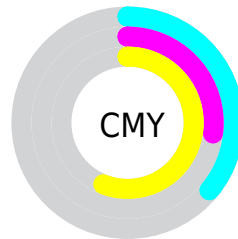


Cyan (13%)

Magenta (0%)

Yellow (40%)

Black (27%)



Cyan (36%)

Magenta (27%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3838, 43.9690, 21.9512 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 35.3838, 43.9690, 21.9512 by changing the saturation by 10% instead.

35.3838, 43.9690,
21.9512

35.3838, 43.9690,
21.9512

317.7376,
362.5818, 275.2365

24.1266, 30.6461,
13.6231

67.4100, 81.1711,
47.5665

15.5528, 20.3295,
7.7232

88.9097, 105.8191,
65.6907

9.2971, 12.6348,
3.8331

114.5543,
135.0110, 87.9174

4.9941, 7.1776,
1.5343

144.7091,
169.1311, 114.6651

2.2785, 3.5734,
0.2433

179.7395,
208.5638, 146.3523

0.7836, 1.4379,
0.0000

220.0108,

0.0000, 0.2444,

253.6936, 183.3976

0.0000

265.8884,
304.9048, 226.2195

■ 0.0000, 0.0000,
0.0000

■ 35.3838, 43.9690,
21.9512

■ 35.3838, 43.9690,
21.9512

■ 33.2573, 42.9817,
16.9929

■ 37.7853, 45.0761,
28.0409

■ 31.3884, 42.1026,
13.0933

■ 40.4714, 46.3024,
35.3231

■ 29.7626, 41.3274,
10.1755


■ 43.4552, 47.6549,
43.8579


■ 28.3624, 40.6489,
8.1513


■ 46.7480, 49.1379,
53.7005


■ 27.1670, 40.0587,
6.9164


■ 50.3605, 50.7560,
64.9030


 26.1366, 39.5409,
6.2661

 54.3025, 52.5131,
77.5143

 26.1154, 39.5302,
6.2537

 58.5838, 54.4133,
91.5813

 62.2645, 56.0806,
102.1507

 64.0179, 56.9845,
102.2327

Harmonies

Analogous

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



41.6711, 43.9690, 18.9566



35.3838, 43.9690, 21.9512



31.2323, 43.9690, 31.4426

Triad

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



35.3838, 43.9690, 21.9512



35.5705, 43.9690, 89.3681



56.5811, 43.9690, 47.5314

Complementary

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



35.3838, 43.9690, 21.9512



24.8122, 20.3690, 49.0807

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.



54.4962, 43.9690, 69.2188



35.3838, 43.9690, 21.9512



41.9115, 43.9690, 97.0688

Square

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



35.3838, 43.9690, 21.9512



31.3314, 43.9690, 69.9839



48.9289, 43.9690, 88.8473



54.3529, 43.9690, 30.9942

Rectangle

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



35.3838, 43.9690, 21.9512



29.9785, 43.9690, 41.8589



48.9289, 43.9690, 88.8473



56.3592, 43.9690, 54.4411

Sweetspot

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



35.3849, 43.9709, 21.9521



77.4054, 85.7599, 75.5443



31.9005, 29.0595, 19.2576



16.8870, 18.8138, 16.1772



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



35.3849, 43.9709, 21.9521



60.6385, 78.0714, 31.6018



29.0254, 40.6925, 21.6545



9.4593, 10.3534, 9.6068



17.6498, 26.6351, 4.2109



0.6841, 0.9708, 0.1513

Inverse Universe

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



24.8122, 20.3690, 49.0807



38.7672, 29.1992, 87.7942



31.7672, 23.9544, 49.4062



8.7881, 8.8571, 11.3258



7.3007, 3.0748, 31.4618



0.3241, 0.1428, 1.1122

Previews

White Background



This preview shows how the XYZ color 35.3838, 43.9690, 21.9512 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 35.3838, 43.9690, 21.9512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

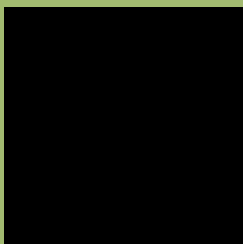
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.3838, 43.9690, 21.9512

Background



This preview shows how black text looks on a background with the XYZ color 35.3838, 43.9690, 21.9512.



This preview shows how white text looks on a background with the XYZ color 35.3838, 43.9690,

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

35.3838, 43.9690, 21.9512

Protanopia

40.4212, 43.8644, 20.5236

Deuteranopia

44.4917, 43.6339, 22.6002



Tritanopia

42.1394, 43.9765, 55.5575

Trichromacy



Original Color

35.3838, 43.9690, 21.9512

Protanomaly

38.3730, 43.6917, 20.8789

Deuteranomaly

40.6726, 43.3671, 22.4467

Tritanomaly

38.9913, 43.5760, 40.5384

Monochromacy



Original Color

35.3838, 43.9690, 21.9512

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.8865, 41.4361, 34.4876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3838, 43.9690, 21.9512 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(162, 186, 112)` looks like.

```
.text, #text, p{  
    color:rgb(162, 186, 112)  
}
```

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(162, 186, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 186, 112) }
```

Border

The CSS property to change the border of an element to XYZ 35.3838, 43.9690, 21.9512 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(162, 186, 112) }
```


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

```
.border{ border-color:rgb(162, 186, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 186, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 186, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 186, 112);  
box-shadow:4px 4px 4px 4px rgb(162, 186,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3838, 43.9690, 21.9512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 186, 112) }
```

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

```
.background{ background-color: rgb(162,  
186, 112) }
```

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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