

Converting Colors

XYZ(35.6969, 41.8559, 21.1416)

Have a look what the booklet for
XYZ(35.6969, 41.8559, 21.1416)
contains.

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Color

**XYZ(35.7839, 42.0458,
21.2686)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB36F
RGB	171, 179, 111
RGB Percent	67%, 70%, 44%
CMY	0.3294, 0.2980, 0.5647
CMYK	0.04, 0.00, 0.38, 0.30
HSL	67°, 31%, 57%
HSV	67°, 38%, 70%
XYZ	35.7839, 42.0458, 21.2686
YIQ	168.8560, 17.0600, -22.8440

Conversions

Conversions Part 2

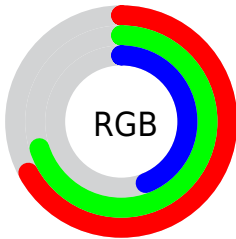
Format	Color
RYB	111, 179, 119
Decimal	11252591
CIELab	70.90, -13.54, 33.79
CIElCh	71, 36.400, 111.840
Yxy	42.0458, 0.3611, 0.4243
Android (android.graphics.Color)	4289442671 (0xFFABB36F)
YUV	168.8560, -28.5230, 1.8803
Hunter-Lab	64.8427, -14.9684, 25.9426

Details

The XYZ color **35.7839, 42.0458, 21.2686** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.4305, 18.5466, 45.1006**, and the grayscale version is **37.7724, 39.7395, 43.2763**.

A 20% lighter version of the original color is **68.0877, 78.4279, 46.6715**, and **15.8016, 19.1211, 7.4153** is the 20% darker color. If you saturate the color by 10%, you get **34.4405, 41.4573, 16.5664**, and if you desaturate by 10%, it is **37.3342, 42.7209, 27.0132**.

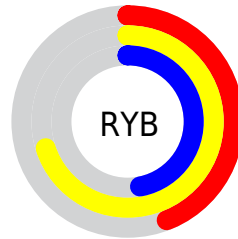
Distribution



Red (67%)

Green (70%)

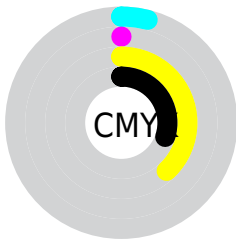
Blue (44%)



Red (44%)

Yellow (70%)

Blue (47%)

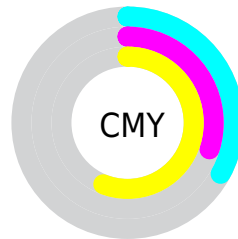


Cyan (4%)

Magenta (0%)

Yellow (38%)

Black (30%)



Cyan (33%)

Magenta (30%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7839, 42.0458, 21.2686 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 35.7839, 42.0458, 21.2686 by changing the saturation by 10% instead.

■ 35.7839, 42.0458,
21.2686

■ 35.7839, 42.0458,
21.2686

319.4628,
354.6728, 271.5303

■ 24.4367, 29.1372,
13.1273

■ 68.0244, 78.2689,
46.4207

■ 15.7844, 19.1846,
7.3845

■ 89.6485, 102.3522,
64.2686

■ 9.4616, 11.8037,
3.6217

■ 115.4288,
130.9292, 86.1892

■ 5.1030, 6.6102,
1.4202

■ 145.7309,
164.3842, 112.6009

■ 2.3432, 3.2195,
0.1574

180.9199,
203.1017, 143.9223

■ 0.8166, 1.2474,
0.0000

221.3613,

■ 0.0000, 0.0999,

247.4660, 180.5720

0.0000

267.4205,
297.8615, 222.9685

■ 0.0000, 0.0000,
0.0000

■ 35.7839, 42.0458,
21.2686

■ 35.7839, 42.0458,
21.2686

■ 34.4405, 41.4573,
16.5664

■ 37.3342, 42.7209,
27.0132

■ 33.2890, 40.9450,
12.8414

■ 39.0993, 43.4812,
33.8547

■ 32.3174, 40.5054,
10.0254

■ 41.0903, 44.3327,
41.8474

■ 31.5106, 40.1326,
8.0400

■ 43.3166, 45.2793,
51.0407

■ 30.8513, 39.8196,
6.7939

■ 45.7872, 46.3244,
61.4814

■ 30.3117, 39.5553,
6.1407

■ 48.5106, 47.4715,
73.2139

■ 30.2085, 39.5044,
6.0330

■ 51.4946, 48.7237,
86.2802

■ 54.7471, 50.0841,
100.7205

■ 55.3971, 50.4045,
101.4170

Harmonies

Analogous

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



41.6398, 42.0458, 20.0584



35.7839, 42.0458, 21.2686



31.4848, 42.0458, 28.1048

Triad

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



35.7839, 42.0458, 21.2686



33.1885, 42.0458, 77.3468



52.6407, 42.0458, 50.6818

Complementary

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



35.7839, 42.0458, 21.2686



21.4305, 18.5466, 45.1006

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.



49.8417, 42.0458, 69.6456



35.7839, 42.0458, 21.2686



38.3323, 42.0458, 87.3885

Square

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



35.7839, 42.0458, 21.2686



30.0951, 42.0458, 59.3491



44.4560, 42.0458, 84.2612



51.7824, 42.0458, 34.4560

Rectangle

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



35.7839, 42.0458, 21.2686



29.8838, 42.0458, 36.1490



44.4560, 42.0458, 84.2612



52.0871, 42.0458, 56.9873

Sweetspot

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



35.7849, 42.0477, 21.2695



72.4027, 78.8886, 70.1381



28.0500, 23.9104, 18.1763



15.9339, 17.4321, 15.1086



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



35.7849, 42.0477, 21.2695



61.9516, 74.3653, 30.5938



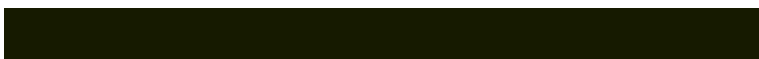
29.3183, 38.7140, 20.9669



9.0966, 9.8549, 9.0753



21.3813, 27.9325, 4.2646



0.7004, 0.8931, 0.1355

Inverse Universe

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



21.4305, 18.5466, 45.1006



32.4052, 25.9665, 79.6853



26.9468, 21.3904, 45.3588



8.1318, 8.2765, 10.6753



5.9994, 2.4286, 30.2896



0.2185, 0.0917, 0.9544

Previews

White Background



This preview shows how the XYZ color 35.7839, 42.0458, 21.2686 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 35.7839, 42.0458, 21.2686 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 35.7839, 42.0458, 21.2686

Background



This preview shows how black text looks on a background with the XYZ color 35.7839, 42.0458, 21.2686.



This preview shows how white text looks on a background with the XYZ color 35.7839, 42.0458,

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

35.7839, 42.0458, 21.2686

Protanopia

38.6902, 41.8101, 20.4990

Deuteranopia

42.6859, 41.8972, 21.7568



Tritanopia

41.8488, 41.9134, 51.2318

Trichromacy



Original Color

35.7839, 42.0458, 21.2686

Protanomaly

37.4358, 41.7308, 20.8336

Deuteranomaly

40.0492, 41.9202, 21.6034

Tritanomaly

39.1608, 41.6686, 37.8771

Monochromacy



Original Color

35.7839, 42.0458, 21.2686

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.8664, 40.5713, 33.9049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7839, 42.0458, 21.2686 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(171, 179, 111)` looks like.

```
.text, #text, p{  
    color:rgb(171, 179, 111)  
}
```

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(171, 179, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 179, 111) }
```

Border

The CSS property to change the border of an element to XYZ 35.7839, 42.0458, 21.2686 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(171, 179, 111) }
```


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

```
.border{ border-color:rgb(171, 179, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 179, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 179, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 179, 111);  
box-shadow:4px 4px 4px 4px rgb(171, 179,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7839, 42.0458, 21.2686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 179, 111) }
```

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

```
.background{ background-color: rgb(171,  
179, 111) }
```

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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