

Converting Colors

XYZ(35.6398, 41.6689, 21.4943)

Have a look what the booklet for
XYZ(35.6398, 41.6689, 21.4943)
contains.

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Color

**XYZ(35.6396, 41.6686,
21.4937)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB270
RGB	171, 178, 112
RGB Percent	67%, 70%, 44%
CMY	0.3294, 0.3019, 0.5608
CMYK	0.04, 0.00, 0.37, 0.30
HSL	66°, 30%, 57%
HSV	66°, 37%, 70%
XYZ	35.6396, 41.6686, 21.4937
YIQ	168.3830, 17.0140, -22.0100

Conversions

Conversions Part 2

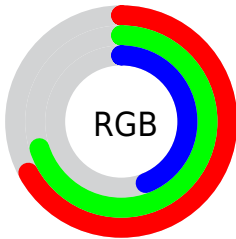
Format	Color
RYB	112, 178, 119
Decimal	11252336
CIELab	70.64, -12.90, 32.93
CIELCh	71, 35.368, 111.398
Yxy	41.6686, 0.3607, 0.4217
Android (android.graphics.Color)	4289442416 (0xFFABB270)
YUV	168.3830, -27.7968, 2.2951
Hunter-Lab	64.5512, -14.4124, 25.4440

Details

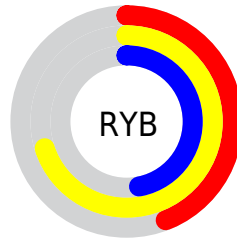
The XYZ color **35.6396, 41.6686, 21.4937** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.4394, 18.7258, 44.6064**, and the grayscale version is **37.5353, 39.4900, 43.0046**.

A 20% lighter version of the original color is **67.8929, 77.8931, 47.0539**, and **15.7020, 18.8777, 7.5188** is the 20% darker color. If you saturate the color by 10%, you get **34.3367, 41.1017, 16.7608**, and if you desaturate by 10%, it is **37.1464, 42.3207, 27.2605**.

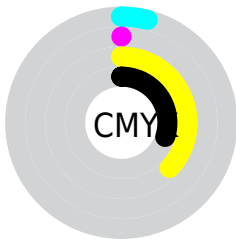
Distribution



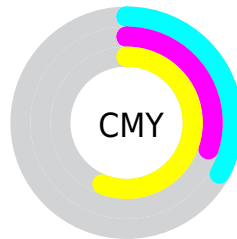
- Red (67%)
- Green (70%)
- Blue (44%)



- Red (44%)
- Yellow (70%)
- Blue (47%)



- Cyan (4%)
- Magenta (0%)
- Yellow (37%)
- Black (30%)



- Cyan (33%)
- Magenta (30%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6396, 41.6686, 21.4937 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 35.6396, 41.6686, 21.4937 by changing the saturation by 10% instead.

■ 35.6396, 41.6686,
21.4937

■ 35.6396, 41.6686,
21.4937

318.8413,
353.1073, 272.7574

■ 24.3248, 28.8419,
13.2906

■ 67.8029, 77.6978,
46.7992

■ 15.7008, 18.9612,
7.4959

■ 89.3822, 101.6691,
64.7386

■ 9.4022, 11.6423,
3.6910

■ 115.1137,
130.1241, 86.7606

■ 5.0636, 6.5006,
1.4574

■ 145.3627,
163.4470, 113.2837

■ 2.3198, 3.1518,
0.1859

180.4946,
202.0225, 144.7263

■ 0.8048, 1.2115,
0.0000

220.8748,

■ 0.0000, 0.0711,

246.2347, 181.5072

0.0000

266.8686,
296.4682, 224.0447

■ 0.0000, 0.0000,
0.0000

■ 35.6396, 41.6686,
21.4937

■ 35.6396, 41.6686,
21.4937

■ 34.3367, 41.1017,
16.7608

■ 37.1464, 42.3207,
27.2605

■ 33.2230, 40.6097,
12.9982

■ 38.8647, 43.0565,
34.1149

■ 32.2867, 40.1893,
10.1392

■ 40.8054, 43.8821,
42.1096

■ 31.5133, 39.8348,
8.1075

■ 42.9779, 44.8010,
51.2934

■ 30.8858, 39.5393,
6.8146

■ 45.3908, 45.8168,
61.7122

■ 30.3801, 39.2932,
6.1324

■ 48.0524, 46.9328,
73.4095

■ 30.2419, 39.2252,
5.9773

■ 50.9706, 48.1521,
86.4266

■ 54.1530, 49.4777,
100.8030

■ 54.7109, 49.7543,
101.3277

Harmonies

Analogous

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



41.3117, 41.6686, 20.3837



35.6396, 41.6686, 21.4937



31.4458, 41.6686, 28.0878

Triad

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



35.6396, 41.6686, 21.4937



32.9910, 41.6686, 75.5020



51.8049, 41.6686, 50.3628

Complementary

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



35.6396, 41.6686, 21.4937



21.4394, 18.7258, 44.6064

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.



49.0654, 41.6686, 68.5923



35.6396, 41.6686, 21.4937



37.9455, 41.6686, 85.2749

Square

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



35.6396, 41.6686, 21.4937



30.0247, 41.6686, 58.1724



43.8536, 41.6686, 82.4750



51.0325, 41.6686, 34.5989

Rectangle

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



35.6396, 41.6686, 21.4937



29.8688, 41.6686, 35.8470



43.8536, 41.6686, 82.4750



51.2552, 41.6686, 56.4458

Sweetspot

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



35.6406, 41.6705, 21.4946



72.4971, 78.9373, 70.1426



27.8355, 23.7346, 18.4440



15.9573, 17.4441, 15.1097



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.



35.6406, 41.6705, 21.4946



62.7805, 74.7574, 32.2215



29.3941, 38.4503, 21.2022



9.1065, 9.8600, 9.0757



21.6688, 28.0808, 4.2781



0.7071, 0.8966, 0.1358

Inverse Universe

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



21.4394, 18.7258, 44.6064



33.4961, 27.4243, 79.9092



26.7056, 21.4406, 44.8529



8.1229, 8.2719, 10.6748



5.9675, 2.4122, 30.2881



0.2148, 0.0898, 0.9543

Previews

White Background



This preview shows how the XYZ color 35.6396, 41.6686, 21.4937 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 35.6396, 41.6686, 21.4937 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

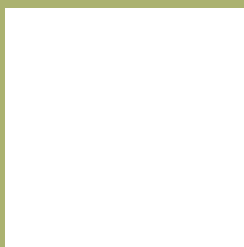
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6396, 41.6686, 21.4937

Background



This preview shows how black text looks on a background with the XYZ color 35.6396, 41.6686, 21.4937.



This preview shows how white text looks on a background with the XYZ color 35.6396, 41.6686,

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

35.6396, 41.6686, 21.4937

Protanopia

38.4971, 41.7043, 20.7726

Deuteranopia

42.2818, 41.4135, 21.9848



Tritanopia

41.5576, 41.4981, 50.6194

Trichromacy



Original Color

35.6396, 41.6686, 21.4937

Protanomaly

37.4906, 41.7527, 21.1220

Deuteranomaly

39.6601, 41.4337, 21.8268

Tritanomaly

38.9698, 41.2865, 37.8134

Monochromacy



Original Color

35.6396, 41.6686, 21.4937

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.4600, 40.0782, 33.8312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6396, 41.6686, 21.4937 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, 178, 112)` looks like.

```
.text, #text, p{  
    color:rgb(171, 178, 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(171, 178, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 178, 112) }
```

Border

The CSS property to change the border of an element to XYZ 35.6396, 41.6686, 21.4937 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, 178, 112) }
```


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

```
.border{ border-color:rgb(171, 178, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 178, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 178, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 178, 112);  
box-shadow:4px 4px 4px 4px rgb(171, 178,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6396, 41.6686, 21.4937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 178, 112) }
```

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

```
.background{ background-color: rgb(171,  
178, 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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