

Converting Colors

XYZ(35.3237, 40.4643, 12.1836)

Have a look what the booklet for
XYZ(35.3237, 40.4643, 12.1836)
contains.

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Color

**XYZ(35.3947, 40.5769,
12.2700)**

Conversions

Conversions Part 1

Format	Color
Hex	B5AE49
RGB	181, 174, 73
RGB Percent	71%, 68%, 29%
CMY	0.2902, 0.3176, 0.7137
CMYK	0.00, 0.04, 0.60, 0.29
HSL	56°, 43%, 50%
HSV	56°, 60%, 71%
XYZ	35.3947, 40.5769, 12.2700
YIQ	164.5790, 36.5930, -29.9270

Conversions

Conversions Part 2

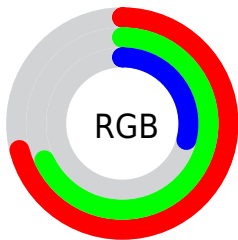
Format	Color
R _{YB}	80, 181, 73
Decimal	11906633
CIE Lab	69.88, -10.44, 51.46
CIE LCh	70, 52.512, 101.469
Yxy	40.5769, 0.4011, 0.4598
Android (android.graphics.Color)	4290096713 (0xFFB5AE49)
YUV	164.5790, -45.1484, 14.4012
Hunter-Lab	63.7000, -12.2920, 33.1695

Details

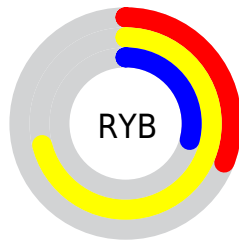
The XYZ color **35.3947, 40.5769, 12.2700** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.9568, 10.4898, 45.0049**, and the grayscale version is **35.7604, 37.6227, 40.9712**.

A 20% lighter version of the original color is **67.3176, 75.8700, 30.4984**, and **15.5182, 18.3195, 3.2484** is the 20% darker color. If you saturate the color by 10%, you get **34.6547, 39.9216, 9.4814**, and if you desaturate by 10%, it is **36.3132, 41.3098, 15.9806**.

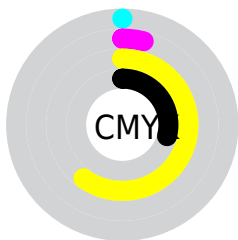
Distribution



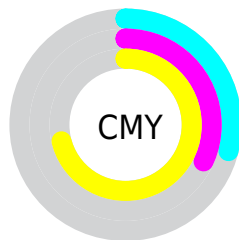
- Red (71%)
- Green (68%)
- Blue (29%)



- Red (31%)
- Yellow (71%)
- Blue (29%)



- Cyan (0%)
- Magenta (4%)
- Yellow (60%)
- Black (29%)




- Cyan (29%)
- Magenta (32%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3947, 40.5769, 12.2700 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 35.3947, 40.5769, 12.2700 by changing the saturation by 10% instead.


 35.3947, 40.5769,
12.2700


 35.3947, 40.5769,
12.2700


317.7847,
348.5492, 217.2256


 24.1350, 27.9886,
6.8031


 67.4268, 76.0412,
30.6576

 15.5591, 18.3171,
3.2627


 88.9299, 99.6860,
44.4154


 9.3016, 11.1779,
1.2303


 114.5781,
127.7851, 61.7739

 4.9971, 6.1866,
0.0036

 144.7370,
160.7230, 83.1516

 2.2803, 2.9589,
0.0000

 179.7717,
198.8839, 108.9671

 0.7845, 1.1103,
0.0000

220.0476,

 0.0000, 0.0000,

242.6523, 139.6389

0.0000

265.9302,
292.4126, 175.5856

■ 35.3947, 40.5769,
12.2700

■ 35.3947, 40.5769,
12.2700

■ 34.6547, 39.9216,
9.4814

■ 36.3132, 41.3098,
15.9806

■ 34.0748, 39.3320,
7.5300

■ 37.4212, 42.1201,
20.6831

■ 33.6374, 38.8025,
6.3197

■ 38.7319, 43.0147,
26.4437

■ 33.3060, 38.3186,
5.6581

■ 40.2568, 43.9982,
33.3220

■ 33.2954, 38.3027,
5.6383

■ 42.0063, 45.0747,
41.3734

■ 43.9902, 46.2482,
50.6494

■ 46.2177, 47.5223,
61.1985

■ 48.6977, 48.9006,
73.0666

■ 51.4382, 50.3864,
86.2973

Harmonies

Analogous

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



44.0223, 40.5769, 12.9190



35.3947, 40.5769, 12.2700



28.6870, 40.5769, 17.4897

Triad

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



35.3947, 40.5769, 12.2700



27.5294, 40.5769, 83.1929



56.3166, 40.5769, 60.8680

Complementary

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



35.3947, 40.5769, 12.2700



13.9568, 10.4898, 45.0049

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.



50.4894, 40.5769, 89.5935



35.3947, 40.5769, 12.2700



33.5823, 40.5769, 105.4177

Square

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



35.3947, 40.5769, 12.2700



24.6142, 40.5769, 54.2027



41.9237, 40.5769, 108.1163



56.9927, 40.5769, 35.4782

Rectangle

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



35.3947, 40.5769, 12.2700



25.8695, 40.5769, 25.3178



41.9237, 40.5769, 108.1163



54.8591, 40.5769, 70.6512

Sweetspot

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



35.3957, 40.5788, 12.2708



72.5034, 79.0537, 61.5231



22.8942, 15.1714, 9.3505



15.4889, 16.9719, 12.4692



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.



35.3957, 40.5788, 12.2708



61.6676, 71.1126, 15.5820



27.5901, 38.6135, 12.3029



9.1490, 9.8105, 9.0639



22.9729, 26.4445, 3.8935



0.7369, 0.8601, 0.1272

Inverse Universe

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



13.9568, 10.4898, 45.0049



19.7914, 12.3783, 79.6407



18.4414, 12.0806, 45.0756



8.0847, 8.3156, 10.6853



5.8573, 2.5150, 30.3137



0.1988, 0.1082, 0.9586

Previews

White Background



This preview shows how the XYZ color 35.3947, 40.5769, 12.2700 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 35.3947, 40.5769, 12.2700 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 35.3947, 40.5769, 12.2700

Background



This preview shows how black text looks on a background with the XYZ color 35.3947, 40.5769, 12.2700.



This preview shows how white text looks on a background with the XYZ color 35.3947, 40.5769,

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

35.3947, 40.5769, 12.2700

Protanopia

36.9678, 40.5408, 12.0076

Deuteranopia

41.0888, 40.2113, 12.4334



Tritanopia

42.4195, 40.4053, 46.6376

Trichromacy



Original Color

35.3947, 40.5769, 12.2700

Protanomaly

36.4157, 40.5377, 12.0361

Deuteranomaly

38.7256, 40.0598, 12.3479

Tritanomaly

38.9724, 40.0663, 30.1056

Monochromacy



Original Color

35.3947, 40.5769, 12.2700

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.9621, 38.3291, 27.3854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3947, 40.5769, 12.2700 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(181, 174, 73)` looks like.

```
.text, #text, p{  
    color:rgb(181, 174, 73)  
}
```

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(181, 174, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 174, 73) }
```

Border

The CSS property to change the border of an element to XYZ 35.3947, 40.5769, 12.2700 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(181, 174, 73) }
```


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

```
.border{ border-color:rgb(181, 174, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 174, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 174, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 174, 73);  
box-shadow:4px 4px 4px 4px rgb(181, 174,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3947, 40.5769, 12.2700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 174, 73) }
```

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

```
.background{ background-color: rgb(181,  
174, 73) }
```

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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