

Converting Colors

XYZ(33.5078, 41.8214, 12.6924)

Have a look what the booklet for
XYZ(33.5078, 41.8214, 12.6924)
contains.

XYZ(33.6564, 42.0439, 12.6447)	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(33.6564, 42.0439,
12.6447)**

Conversions

Conversions Part 1

Format	Color
Hex	A6B649
RGB	166, 182, 73
RGB Percent	65%, 71%, 29%
CMY	0.3490, 0.2863, 0.7137
CMYK	0.09, 0.00, 0.60, 0.29
HSL	69°, 43%, 50%
HSV	69°, 60%, 71%
XYZ	33.6564, 42.0439, 12.6447
YIQ	164.7900, 25.4530, -37.2910

Conversions

Conversions Part 2

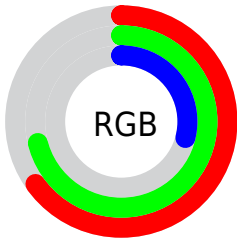
Format	Color
RYB	73, 182, 89
Decimal	10925641
CIELab	70.90, -20.84, 52.25
CIELCh	71, 56.255, 111.741
Yxy	42.0439, 0.3810, 0.4759
Android (android.graphics.Color)	4289115721 (0xFFA6B649)
YUV	164.7900, -45.2525, 1.0612
Hunter-Lab	64.8413, -20.8203, 33.8267

Details

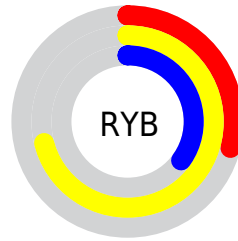
The XYZ color **33.6564, 42.0439, 12.6447** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **14.9473, 10.2673, 45.4524**, and the grayscale version is **35.8659, 37.7337, 41.0920**.

A 20% lighter version of the original color is **64.7719, 78.3434, 31.4466**, and **14.4993, 19.1174, 3.4160** is the 20% darker color. If you saturate the color by 10%, you get **32.5851, 41.5528, 9.8928**, and if you desaturate by 10%, it is **34.9179, 42.6154, 16.3288**.

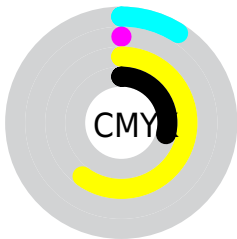
Distribution



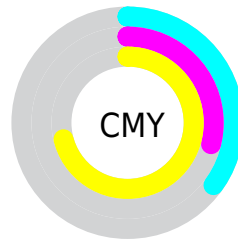
- Red (65%)
- Green (71%)
- Blue (29%)



- Red (29%)
- Yellow (71%)
- Blue (35%)



- Cyan (9%)
- Magenta (0%)
- Yellow (60%)
- Black (29%)



- Cyan (35%)
- Magenta (29%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6564, 42.0439, 12.6447 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 33.6564, 42.0439, 12.6447 by changing the saturation by 10% instead.

■ 33.6564, 42.0439,
12.6447

■ 33.6564, 42.0439,
12.6447

310.2102,
354.6649, 219.7551

■ 22.7914, 29.1357,
7.0565

■ 64.7468, 78.2661,
31.3458

■ 14.5594, 19.1835,
3.4185

■ 85.7030, 102.3488,
45.2957

■ 8.5950, 11.8029,
1.3121

■ 110.7535,
130.9251, 62.8700

■ 4.5330, 6.6096,
0.0717

■ 140.2639,
164.3795, 84.4871

■ 2.0079, 3.2192,
0.0000

■ 174.5994,
203.0962, 110.5656

■ 0.6384, 1.2472,
0.0000

214.1253,

■ 0.0000, 0.0998,

247.4598, 141.5241

0.0000

259.2072,
297.8545, 177.7811

■ 0.0000, 0.0000,
0.0000

■ 33.6564, 42.0439,
12.6447

■ 33.6564, 42.0439,
12.6447

■ 32.5851, 41.5528,
9.8928

■ 34.9179, 42.6154,
16.3288

■ 31.6851, 41.1301,
7.9866

■ 36.3807, 43.2673,
21.0162

■ 30.9385, 40.7701,
6.8284

■ 38.0585, 44.0065,
26.7740

■ 30.3071, 40.4575,
6.2175

■ 39.9628, 44.8377,
33.6629

■ 30.3003, 40.4541,
6.2114

■ 42.1043, 45.7652,
41.7389

■ 44.4932, 46.7929,
51.0545

■ 47.1386, 47.9248,
61.6588

■ 50.0497, 49.1642,
73.5984

■ 53.2348, 50.5147,
86.9177

Harmonies

Analogous

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



42.6039, 42.0439, 11.3618



33.6564, 42.0439, 12.6447



27.4255, 42.0439, 20.6976

Triad

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



33.6564, 42.0439, 12.6447



29.8174, 42.0439, 99.3776



60.5587, 42.0439, 53.5920

Complementary

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



33.6564, 42.0439, 12.6447



14.9473, 10.2673, 45.4524

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.



55.8318, 42.0439, 85.7059



33.6564, 42.0439, 12.6447



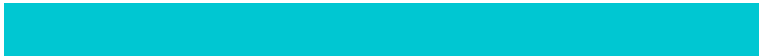
37.4306, 42.0439, 118.1165

Square

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



33.6564, 42.0439, 12.6447



25.4621, 42.0439, 67.6582



47.0085, 42.0439, 112.3198



59.1267, 42.0439, 29.2118

Rectangle

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



33.6564, 42.0439, 12.6447



25.1860, 42.0439, 31.4492



47.0085, 42.0439, 112.3198



59.6140, 42.0439, 63.9089

Sweetspot

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



33.6574, 42.0458, 12.6456



73.0343, 81.5405, 63.2016



23.9470, 17.3303, 8.3868



15.8953, 17.9073, 13.0871



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.



33.6574, 42.0458, 12.6456



58.4969, 75.0621, 16.6219



24.7378, 37.4476, 12.2282



9.6171, 10.4348, 9.6141



21.4403, 28.5892, 4.3882



0.7915, 1.0262, 0.1564

Inverse Universe

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



14.9473, 10.2673, 45.4524



21.6410, 12.3151, 81.4722



21.9885, 13.8972, 45.7820



8.6406, 8.7811, 11.3189



6.3124, 2.5654, 31.4155



0.2618, 0.1107, 1.1093

Previews

White Background



This preview shows how the XYZ color 33.6564, 42.0439, 12.6447 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 33.6564, 42.0439, 12.6447 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 33.6564, 42.0439, 12.6447

Background



This preview shows how black text looks on a background with the XYZ color 33.6564, 42.0439, 12.6447.



This preview shows how white text looks on a background with the XYZ color 33.6564, 42.0439,

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

33.6564, 42.0439, 12.6447

Protanopia

38.2657, 42.0645, 12.0637

Deuteranopia

42.5618, 41.7565, 13.0243



Tritanopia

41.5747, 42.0515, 51.2729

Trichromacy



Original Color

33.6564, 42.0439, 12.6447

Protanomaly

36.4203, 41.9794, 12.3142

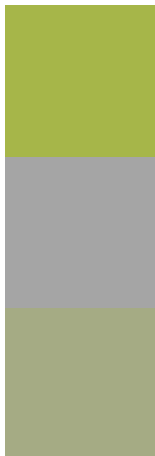
Deuteranomaly

38.8934, 41.5179, 12.8013

Tritanomaly

37.8196, 41.6722, 32.4358

Monochromacy



Original Color

33.6564, 42.0439, 12.6447

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.2448, 38.7911, 27.5123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6564, 42.0439, 12.6447 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(166, 182, 73)` looks like.

```
.text, #text, p{  
    color:rgb(166, 182, 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(166, 182, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 182, 73) }
```

Border

The CSS property to change the border of an element to XYZ 33.6564, 42.0439, 12.6447 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(166, 182, 73) }
```


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

```
.border{ border-color:rgb(166, 182, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 182, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 182, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 182, 73);  
box-shadow:4px 4px 4px 4px rgb(166, 182,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6564, 42.0439, 12.6447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 182, 73) }
```

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

```
.background{ background-color: rgb(166,  
182, 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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