

Converting Colors

XYZ(35.7122, 45.4210, 11.9865)

Have a look what the booklet for
XYZ(35.7122, 45.4210, 11.9865)
contains.

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Color

**XYZ(35.5432, 45.2236,
12.0100)**

Conversions

Conversions Part 1

Format	Color
Hex	A9BD42
RGB	169, 189, 66
RGB Percent	66%, 74%, 26%
CMY	0.3373, 0.2588, 0.7412
CMYK	0.11, 0.00, 0.65, 0.26
HSL	70°, 48%, 50%
HSV	70°, 65%, 74%
XYZ	35.5432, 45.2236, 12.0100
YIQ	168.9980, 27.5630, -42.4930

Conversions

Conversions Part 2

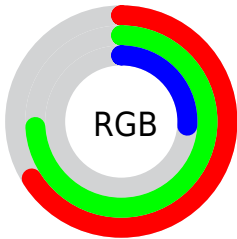
Format	Color
RYB	66, 189, 86
Decimal	11124034
CIELab	73.04, -23.56, 57.60
CIELCh	73, 62.232, 112.247
Yxy	45.2236, 0.3831, 0.4874
Android (android.graphics.Color)	4289314114 (0xFFA9BD42)
YUV	168.9980, -50.7780, 0.0018
Hunter-Lab	67.2485, -23.3413, 36.4853

Details

The XYZ color **35.5432, 45.2236, 12.0100** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **14.9729, 9.5501, 49.2011**, and the grayscale version is **37.9460, 39.9222, 43.4752**.

A 20% lighter version of the original color is **67.7211, 82.9918, 30.2190**, and **15.7436, 21.1857, 3.2595** is the 20% darker color. If you saturate the color by 10%, you get **34.4241, 44.7023, 9.5144**, and if you desaturate by 10%, it is **36.8640, 45.8306, 15.4777**.

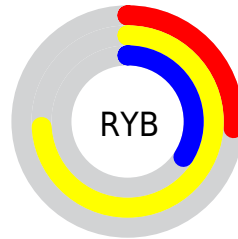
Distribution



Red (66%)

Green (74%)

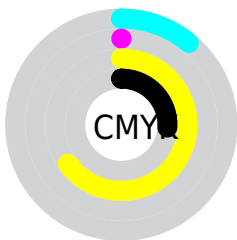
Blue (26%)



Red (26%)

Yellow (74%)

Blue (34%)

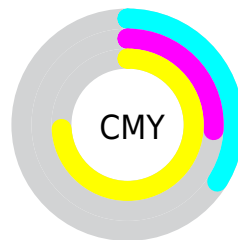


Cyan (11%)

Magenta (0%)

Yellow (65%)

Black (26%)



Cyan (34%)

Magenta (26%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5432, 45.2236, 12.0100 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 35.5432, 45.2236, 12.0100 by changing the saturation by 10% instead.

■ 35.5432, 45.2236,
12.0100

■ 35.5432, 45.2236,
12.0100

318.4257,
367.6784, 215.4517

■ 24.2501, 31.6336,
6.6279

■ 67.6549, 83.0558,
30.1780

■ 15.6450, 21.0818,
3.1556

■ 89.2042, 108.0669,
43.8009

■ 9.3625, 13.1838,
1.1746

■ 114.9030,
137.6537, 61.0079

■ 5.0374, 7.5552,
0.0000

■ 145.1165,
172.2007, 82.2174

■ 2.3042, 3.8117,
0.0000

■ 180.2102,
212.0922, 107.8480

■ 0.7968, 1.5688,
0.0000

220.5494,

■ 0.0000, 0.3364,

257.7128, 138.3182

0.0000

266.4994,
309.4467, 174.0466

■ 0.0000, 0.0000,
0.0000

■ 35.5432, 45.2236,
12.0100

■ 35.5432, 45.2236,
12.0100

■ 34.4241, 44.7023,
9.5144

■ 36.8640, 45.8306,
15.4777

■ 33.4846, 44.2530,
7.8883

■ 38.3998, 46.5239,
20.0010

■ 32.7024, 43.8683,
7.0110

■ 40.1664, 47.3112,
25.6574

■ 32.3513, 43.6932,
6.7285

■ 42.1771, 48.1980,
32.5166

■ 44.4441, 49.1892,
40.6425

■ 46.9788, 50.2893,
50.0948

■ 49.7920, 51.5026,
60.9290

■ 52.8936, 52.8333,
73.1977

■ 56.2933, 54.2850,
86.9507

Harmonies

Analogous

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



45.8664, 45.2236, 10.5472



35.5432, 45.2236, 12.0100



28.4802, 45.2236, 20.9238

Triad

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



35.5432, 45.2236, 12.0100



31.4106, 45.2236, 113.3858



67.2093, 45.2236, 57.7687

Complementary

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



35.5432, 45.2236, 12.0100



14.9729, 9.5501, 49.2011

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.



61.7263, 45.2236, 95.7575



35.5432, 45.2236, 12.0100



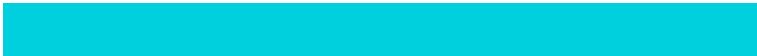
40.2243, 45.2236, 135.6023

Square

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



35.5432, 45.2236, 12.0100



26.3898, 45.2236, 75.5710



51.3962, 45.2236, 128.0634



65.3866, 45.2236, 29.8702

Rectangle

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



35.5432, 45.2236, 12.0100



25.9867, 45.2236, 33.1457



51.3962, 45.2236, 128.0634



66.1313, 45.2236, 69.8497

Sweetspot

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



35.5443, 45.2257, 12.0109



77.4082, 87.1386, 64.8687



25.1767, 17.6242, 7.2298



16.4056, 18.6334, 13.0934



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.



35.5443, 45.2257, 12.0109



60.9114, 79.7066, 15.6469



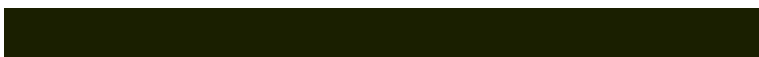
25.4955, 40.0453, 11.5407



10.1658, 11.0399, 10.1717



21.8202, 29.4246, 4.5295



0.8960, 1.1739, 0.1794

Inverse Universe

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



14.9729, 9.5501, 49.2011



21.5017, 11.1325, 87.2417



22.9803, 13.6781, 49.5758



9.1572, 9.2979, 11.9842



6.5989, 2.6879, 32.5639



0.3044, 0.1289, 1.2777

Previews

White Background



This preview shows how the XYZ color 35.5432, 45.2236, 12.0100 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 35.5432, 45.2236, 12.0100 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 35.5432, 45.2236, 12.0100

Background



This preview shows how black text looks on a background with the XYZ color 35.5432, 45.2236, 12.0100.



This preview shows how white text looks on a background with the XYZ color 35.5432, 45.2236,

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

35.5432, 45.2236, 12.0100

Protanopia

40.8367, 44.8784, 11.2127

Deuteranopia

45.9758, 44.9053, 12.3753



Tritanopia

44.4175, 45.1510, 55.6642

Trichromacy



Original Color

35.5432, 45.2236, 12.0100

Protanomaly

38.8452, 45.0560, 11.4998

Deuteranomaly

41.4562, 44.5830, 12.2148

Tritanomaly

39.8436, 44.4702, 33.6777

Monochromacy



Original Color

35.5432, 45.2236, 12.0100

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.0524, 41.1516, 27.8727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5432, 45.2236, 12.0100 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(169, 189, 66)` looks like.

```
.text, #text, p{  
    color:rgb(169, 189, 66)  
}
```

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(169, 189, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 189, 66) }
```

Border

The CSS property to change the border of an element to XYZ 35.5432, 45.2236, 12.0100 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(169, 189, 66) }
```


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

```
.border{ border-color:rgb(169, 189, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 189, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 189, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 189, 66);  
box-shadow:4px 4px 4px 4px rgb(169, 189,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5432, 45.2236, 12.0100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 189, 66) }
```

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

```
.background{ background-color: rgb(169,  
189, 66) }
```

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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