

Converting Colors

XYZ(35.7608, 49.2776, 12.6267)

Have a look what the booklet for
XYZ(35.7608, 49.2776, 12.6267)
contains.

XYZ(35.7454, 49.3230, 12.6373)	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(35.7454, 49.3230,
12.6373)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC941
RGB	157, 201, 65
RGB Percent	62%, 79%, 25%
CMY	0.3843, 0.2117, 0.7451
CMYK	0.22, 0.00, 0.68, 0.21
HSL	79°, 56%, 52%
HSV	79°, 68%, 79%
XYZ	35.7454, 49.3230, 12.6373
YIQ	172.3400, 17.4320, -51.6240

Conversions

Conversions Part 2

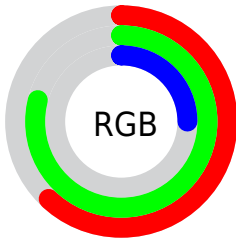
Format	Color
RYB	65, 201, 109
Decimal	10340673
CIELab	75.65, -34.14, 60.46
CIElCh	76, 69.437, 119.453
Yxy	49.3230, 0.3658, 0.5048
Android (android.graphics.Color)	4288530753 (0xFF9DC941)
YUV	172.3400, -52.9186, -13.4532
Hunter-Lab	70.2303, -32.0513, 38.4925

Details

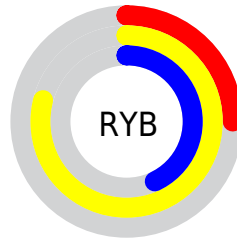
The XYZ color **35.7454, 49.3230, 12.6373** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **18.7415, 11.2501, 56.4449**, and the grayscale version is **39.6401, 41.7044, 45.4161**.

A 20% lighter version of the original color is **66.8817, 87.1722, 31.0702**, and **15.8005, 23.6341, 3.7291** is the 20% darker color. If you saturate the color by 10%, you get **34.0287, 48.4953, 10.0400**, and if you desaturate by 10%, it is **37.7391, 50.2728, 16.3307**.

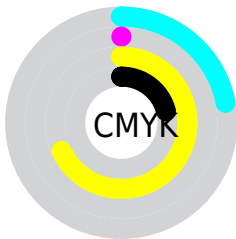
Distribution



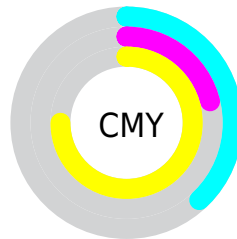
- Red (62%)
- Green (79%)
- Blue (25%)



- Red (25%)
- Yellow (79%)
- Blue (43%)



- Cyan (22%)
- Magenta (0%)
- Yellow (68%)
- Black (21%)





- Cyan (38%)
- Magenta (21%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7454, 49.3230, 12.6373 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 35.7454, 49.3230, 12.6373 by changing the saturation by 10% instead.


 35.7454, 49.3230,
12.6373


 35.7454, 49.3230,
12.6373


319.2970,
384.0125, 219.7055

 24.4068, 34.8758,
7.0515


 67.9654, 89.1710,
31.3322

 15.7620, 23.5672,
3.4154


 89.5775, 115.3405,
45.2784


 9.4457, 15.0129,
1.3104


 115.3448,
146.1863, 62.8484

 5.0924, 8.8284,
0.0703

 145.6327,
182.0927, 84.4608

 2.3369, 4.6294,
0.0000

 180.8065,
223.4442, 110.5342

 0.8135, 2.0315,
0.0000

221.2316,

 0.0000, 0.6257,

270.6250, 141.4871

0.0000

267.2733,
324.0197, 177.7380

■ 0.0000, 0.0000,
0.0000

■ 35.7454, 49.3230,
12.6373

■ 35.7454, 49.3230,
12.6373

■ 34.0287, 48.4953,
10.0400

■ 37.7391, 50.2728,
16.3307

■ 32.5613, 47.7733,
8.4136

■ 40.0272, 51.3464,
21.2212

■ 31.3103, 47.1455,
7.5848

■ 42.6292, 52.5537,
27.4017

■ 31.0357, 47.0069,
7.4375

■ 45.5619, 53.9014,
34.9552

■ 48.8406, 55.3958,
43.9578

■ 52.4797, 57.0427,
54.4800

■ 56.4925, 58.8475,
66.5876

■ 60.8918, 60.8156,
80.3426

■ 65.6895, 62.9516,
95.8037

Harmonies

Analogous

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



47.1165, 49.3230, 9.4619



35.7454, 49.3230, 12.6373



28.6510, 49.3230, 25.1603

Triad

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



35.7454, 49.3230, 12.6373



35.4052, 49.3230, 140.6575



76.1977, 49.3230, 54.3834

Complementary

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



35.7454, 49.3230, 12.6373



18.7415, 11.2501, 56.4449

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.



71.5541, 49.3230, 98.3203



35.7454, 49.3230, 12.6373



46.6443, 49.3230, 160.1585

Square

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



35.7454, 49.3230, 12.6373



28.4813, 49.3230, 96.5779



60.1156, 49.3230, 141.9462



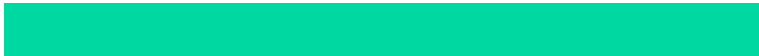
71.8675, 49.3230, 25.8734

Rectangle

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



35.7454, 49.3230, 12.6373



26.5354, 49.3230, 41.7599



60.1156, 49.3230, 141.9462



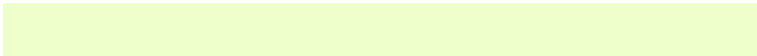
75.6234, 49.3230, 67.7335

Sweetspot

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



35.7466, 49.3252, 12.6384



82.0865, 94.1431, 70.9718



30.4129, 23.5400, 7.9424



17.2240, 19.9930, 14.2361



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



35.7466, 49.3252, 12.6384



57.0833, 82.4498, 15.7511



26.0524, 44.3277, 12.1847



11.1774, 12.2384, 11.3359



19.6123, 29.6058, 4.6808



1.0021, 1.4397, 0.2251

Inverse Universe

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



18.7415, 11.2501, 56.4449



26.2328, 13.0349, 95.7411



30.3543, 17.2368, 56.9883



10.3745, 10.4513, 13.3880



8.0868, 3.4031, 34.9750



0.4593, 0.2005, 1.6596

Previews

White Background



This preview shows how the XYZ color 35.7454, 49.3230, 12.6373 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 35.7454, 49.3230, 12.6373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

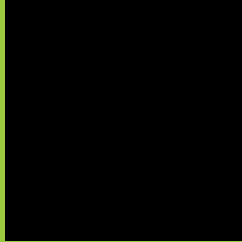
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.7454, 49.3230, 12.6373

Background



This preview shows how black text looks on a background with the XYZ color 35.7454, 49.3230, 12.6373.



This preview shows how white text looks on a background with the XYZ color 35.7454, 49.3230,

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

35.7454, 49.3230, 12.6373

Protanopia

44.4136, 48.8646, 11.5058

Deuteranopia

49.8797, 48.9142, 13.1158



Tritanopia

45.9963, 49.1625, 63.5650

Trichromacy



Original Color

35.7454, 49.3230, 12.6373

Protanomaly

40.4866, 48.4282, 11.7711

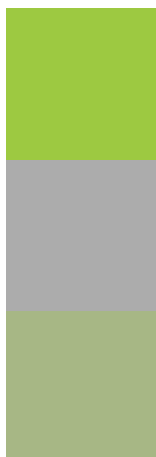
Deuteranomaly

43.5662, 48.3974, 12.8398

Tritanomaly

40.7561, 48.6553, 37.3803

Monochromacy



Original Color

35.7454, 49.3230, 12.6373

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.1035, 43.7759, 28.6843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7454, 49.3230, 12.6373 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(157, 201, 65)` looks like.

```
.text, #text, p{  
    color:rgb(157, 201, 65)  
}
```

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(157, 201, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 201, 65) }
```

Border

The CSS property to change the border of an element to XYZ 35.7454, 49.3230, 12.6373 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(157, 201, 65) }
```


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

```
.border{ border-color:rgb(157, 201, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 201, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 201, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 201, 65);  
box-shadow:4px 4px 4px 4px rgb(157, 201,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7454, 49.3230, 12.6373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 201, 65) }
```

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

```
.background{ background-color: rgb(157,  
201, 65) }
```

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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