

Converting Colors

XYZ(36.3248, 52.2065, 14.4054)

Have a look what the booklet for
XYZ(36.3248, 52.2065, 14.4054)
contains.

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Color

**XYZ(36.3362, 52.0768,
14.4400)**

Conversions

Conversions Part 1

Format	Color
Hex	96D049
RGB	150, 208, 73
RGB Percent	59%, 82%, 29%
CMY	0.4118, 0.1843, 0.7137
CMYK	0.28, 0.00, 0.65, 0.18
HSL	86°, 59%, 55%
HSV	86°, 65%, 82%
XYZ	36.3362, 52.0768, 14.4400
YIQ	175.2680, 8.7670, -54.2810

Conversions

Conversions Part 2

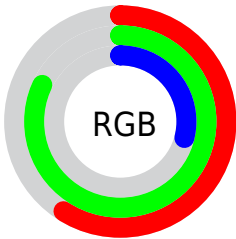
Format	Color
RYB	73, 208, 131
Decimal	9883721
CIELab	77.33, -39.38, 58.92
CIElCh	77, 70.868, 123.762
Yxy	52.0768, 0.3533, 0.5063
Android (android.graphics.Color)	4288073801 (0xFF96D049)
YUV	175.2680, -50.4181, -22.1600
Hunter-Lab	72.1643, -36.4090, 38.6511

Details

The XYZ color **36.3362, 52.0768, 14.4400** 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 **23.1299, 14.1459, 61.1888**, and the grayscale version is **41.1378, 43.2801, 47.1321**.

A 20% lighter version of the original color is **65.3229, 86.3177, 33.2968**, and **16.0402, 25.1753, 4.1862** is the 20% darker color. If you saturate the color by 10%, you get **34.1766, 51.0320, 11.3218**, and if you desaturate by 10%, it is **38.8542, 53.2831, 18.7806**.

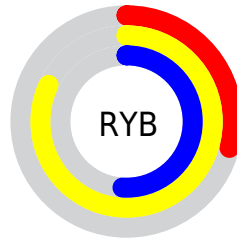
Distribution



Red (59%)

Green (82%)

Blue (29%)



Red (29%)

Yellow (82%)

Blue (51%)

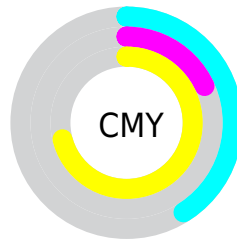


Cyan (28%)

Magenta (0%)

Yellow (65%)

Black (18%)



Cyan (41%)


Magenta (18%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3362, 52.0768, 14.4400 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 36.3362, 52.0768, 14.4400 by changing the saturation by 10% instead.


 36.3362, 52.0768,
14.4400


 36.3362, 52.0768,
14.4400


321.8333,
394.7330, 231.4740


 24.8653, 37.0663,
8.2851


 68.8711, 93.2445,
34.5960

 16.1049, 25.2588,
4.1875


 90.6659, 120.1705,
49.4342


 9.6897, 16.2700,
1.7288


 116.6326,
151.8371, 68.0039

 5.2544, 9.7154,
0.3803

 147.1366,
188.6287, 90.7237

 2.4336, 5.2107,
0.0000

 182.5434,
230.9297, 118.0120

 0.8619, 2.3714,
0.0000

223.2182,

 0.0000, 0.8111,

279.1245, 150.2875

0.0000

269.5264,
333.5975, 187.9686

■ 0.0000, 0.0000,
0.0000

■ 36.3362, 52.0768,
14.4400

■ 36.3362, 52.0768,
14.4400

■ 34.1766, 51.0320,
11.3218

■ 38.8542, 53.2831,
18.7806

■ 32.3451, 50.1307,
9.2958

■ 41.7505, 54.6537,
24.4495

■ 30.8105, 49.3621,
8.2086

■ 45.0473, 56.1997,
31.5450

■ 30.1145, 49.0100,
7.8727

■ 48.7639, 57.9289,
40.1552

■ 52.9180, 59.8488,
50.3612

■ 57.5263, 61.9664,
62.2380

■ 62.6046, 64.2882,
75.8563

■ 68.1677, 66.8204,
91.2823

■ 73.3797, 69.2289,
104.1027

Harmonies

Analogous

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



47.8008, 52.0768, 9.9859



36.3362, 52.0768, 14.4400



29.5455, 52.0768, 29.6113

Triad

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



36.3362, 52.0768, 14.4400



38.8095, 52.0768, 153.9461



80.4585, 52.0768, 51.9279

Complementary

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



36.3362, 52.0768, 14.4400



23.1299, 14.1459, 61.1888

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.



76.8650, 52.0768, 96.6929



36.3362, 52.0768, 14.4400



51.2337, 52.0768, 169.1285

Square

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



36.3362, 52.0768, 14.4400



30.7791, 52.0768, 109.3614



65.5054, 52.0768, 144.5766



74.5862, 52.0768, 24.4261

Rectangle

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



36.3362, 52.0768, 14.4400



27.7808, 52.0768, 48.9453



65.5054, 52.0768, 144.5766



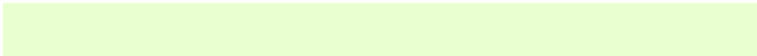
80.3224, 52.0768, 65.2394

Sweetspot

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



36.3374, 52.0791, 14.4411



80.9593, 93.5264, 72.5288



35.1002, 29.6592, 10.1789



16.9241, 19.8315, 14.5345



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.



36.3374, 52.0791, 14.4411



52.9547, 80.3015, 16.4629



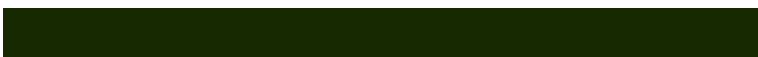
27.4386, 47.4916, 14.0247



12.2924, 13.5342, 12.5765



18.8807, 30.6023, 4.9117



1.1456, 1.7574, 0.2788

Inverse Universe

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



23.1299, 14.1459, 61.1888



30.5489, 15.7699, 96.0415



36.7302, 21.1571, 61.8252



11.6385, 11.6625, 14.8813



9.7917, 4.2281, 37.4925



0.6375, 0.2828, 2.1006

Previews

White Background



This preview shows how the XYZ color 36.3362, 52.0768, 14.4400 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 36.3362, 52.0768, 14.4400 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 36.3362, 52.0768, 14.4400

Background



This preview shows how black text looks on a background with the XYZ color 36.3362, 52.0768, 14.4400.



This preview shows how white text looks on a background with the XYZ color 36.3362, 52.0768,

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

36.3362, 52.0768, 14.4400

Protanopia

47.1148, 51.8251, 12.9889

Deuteranopia

52.6389, 51.4898, 15.1468



Tritanopia

47.2964, 52.0082, 68.5186

Trichromacy



Original Color

36.3362, 52.0768, 14.4400

Protanomaly

42.3069, 51.3219, 13.4706

Deuteranomaly

45.2189, 50.8053, 14.8202

Tritanomaly

41.6974, 51.4237, 40.9858

Monochromacy



Original Color

36.3362, 52.0768, 14.4400

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

38.0837, 45.4826, 30.8166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3362, 52.0768, 14.4400 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(150, 208, 73)` looks like.

```
.text, #text, p{  
    color:rgb(150, 208, 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(150, 208, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 208, 73) }
```

Border

The CSS property to change the border of an element to XYZ 36.3362, 52.0768, 14.4400 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(150, 208, 73) }
```


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

```
.border{ border-color:rgb(150, 208, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 208, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 208, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 208, 73);  
box-shadow:4px 4px 4px 4px rgb(150, 208,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3362, 52.0768, 14.4400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 208, 73) }
```

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

```
.background{ background-color: rgb(150,  
208, 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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