

Converting Colors

XYZ(36.3205, 49.2307, 14.7991)

Have a look what the booklet for
XYZ(36.3205, 49.2307, 14.7991)
contains.

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Color

**XYZ(36.3275, 49.2295,
14.7953)**

Conversions

Conversions Part 1

Format	Color
Hex	9FC84E
RGB	159, 200, 78
RGB Percent	62%, 78%, 31%
CMY	0.3765, 0.2157, 0.6941
CMYK	0.21, 0.00, 0.61, 0.22
HSL	80°, 53%, 55%
HSV	80°, 61%, 78%
XYZ	36.3275, 49.2295, 14.7953
YIQ	173.8330, 14.7260, -46.6340

Conversions

Conversions Part 2

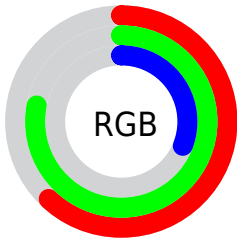
Format	Color
RYB	78, 200, 119
Decimal	10471502
CIELab	75.59, -31.94, 55.10
CIELCh	76, 63.689, 120.103
Yxy	49.2295, 0.3620, 0.4906
Android (android.graphics.Color)	4288661582 (0xFF9FC84E)
YUV	173.8330, -47.2457, -13.0085
Hunter-Lab	70.1637, -30.3676, 36.6122

Details

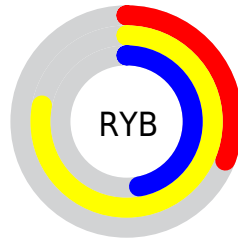
The XYZ color **36.3275, 49.2295, 14.7953** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **20.7594, 13.5422, 56.1661**, and the grayscale version is **40.3771, 42.4799, 46.2606**.

A 20% lighter version of the original color is **68.2438, 87.7849, 35.1771**, and **16.1141, 23.5513, 4.3584** is the 20% darker color. If you saturate the color by 10%, you get **34.4201, 48.3184, 11.5157**, and if you desaturate by 10%, it is **38.5278, 50.2696, 19.2286**.

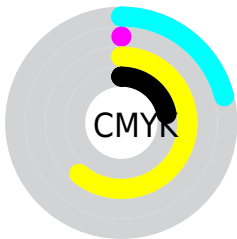
Distribution



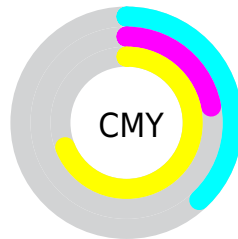
- Red (62%)
- Green (78%)
- Blue (31%)



- Red (31%)
- Yellow (78%)
- Blue (47%)



- Cyan (21%)
- Magenta (0%)
- Yellow (61%)
- Black (22%)



- Cyan (38%)
- Magenta (22%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3275, 49.2295, 14.7953 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 36.3275, 49.2295, 14.7953 by changing the saturation by 10% instead.

36.3275, 49.2295,
14.7953

36.3275, 49.2295,
14.7953

321.7961,
383.6451, 233.7218

24.8585, 34.8016,
8.5308

68.8578, 89.0322,
35.2309

16.0998, 23.5101,
4.3438

90.6499, 115.1758,
50.2391

9.6861, 14.9706,
1.8158

116.6137,
145.9934, 68.9989

5.2520, 8.7987,
0.4384

147.1145,
181.8693, 91.9289

2.4321, 4.6101,
0.0000

182.5179,
223.1881, 119.4477

0.8612, 2.0204,
0.0000

223.1890,

0.0000, 0.6193,

270.3341, 151.9737

0.0000

269.4933,
323.6916, 189.9256

■ 0.0000, 0.0000,
0.0000

■ 36.3275, 49.2295,
14.7953

■ 36.3275, 49.2295,
14.7953

■ 34.4201, 48.3184,
11.5157

■ 38.5278, 50.2696,
19.2286

■ 32.7804, 47.5210,
9.2787

■ 41.0365, 51.4398,
24.9070

■ 31.3842, 46.8290,
7.9571

■ 43.8720, 52.7493,
31.9160

■ 30.2939, 46.2795,
7.3362

■ 47.0500, 54.2046,
40.3329

■ 50.5850, 55.8116,
50.2292

■ 54.4907, 57.5759,
61.6712

■ 58.7800, 59.5027,
74.7215

■ 63.4650, 61.5970,
89.4389

■ 68.0692, 63.6683,
103.3093

Harmonies

Analogous

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



46.7503, 49.2295, 11.3883



36.3275, 49.2295, 14.7953



29.7772, 49.2295, 27.3398

Triad

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



36.3275, 49.2295, 14.7953



36.3873, 49.2295, 131.7741



73.2856, 49.2295, 53.4856

Complementary

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



36.3275, 49.2295, 14.7953



20.7594, 13.5422, 56.1661

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.



69.2962, 49.2295, 92.8613



36.3275, 49.2295, 14.7953



46.8320, 49.2295, 148.1273

Square

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



36.3275, 49.2295, 14.7953



29.8074, 49.2295, 93.1540



59.0928, 49.2295, 131.5610



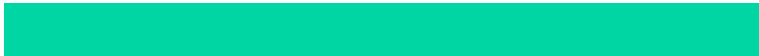
69.2431, 49.2295, 27.2106

Rectangle

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



36.3275, 49.2295, 14.7953



27.8405, 49.2295, 43.2109



59.0928, 49.2295, 131.5610



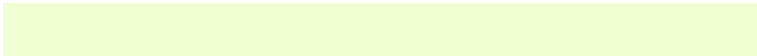
72.8321, 49.2295, 65.5394

Sweetspot

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



36.3287, 49.2317, 14.7964



83.0714, 94.5790, 74.2638



31.7536, 25.9455, 10.5428



17.4089, 20.0743, 14.8747



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.



36.3287, 49.2317, 14.7964



58.6780, 83.2111, 18.5745



27.1041, 44.4762, 14.3646



11.1642, 12.2316, 11.3353



19.3595, 29.4755, 4.6690



0.9915, 1.4342, 0.2246

Inverse Universe

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



20.7594, 13.5422, 56.1661



29.5934, 16.3163, 96.1974



31.8964, 19.2835, 56.6873



10.3870, 10.4578, 13.3886



8.1962, 3.4596, 34.9801



0.4655, 0.2037, 1.6599

Previews

White Background



This preview shows how the XYZ color 36.3275, 49.2295, 14.7953 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 36.3275, 49.2295, 14.7953 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 36.3275, 49.2295, 14.7953

Background



This preview shows how black text looks on a background with the XYZ color 36.3275, 49.2295, 14.7953.



This preview shows how white text looks on a background with the XYZ color 36.3275, 49.2295,

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

36.3275, 49.2295, 14.7953

Protanopia

44.5271, 48.8776, 13.5661

Deuteranopia

49.9950, 48.9232, 15.4024



Tritanopia

45.8866, 48.8036, 62.8787

Trichromacy



Original Color

36.3275, 49.2295, 14.7953

Protanomaly

41.1360, 48.7168, 13.8918

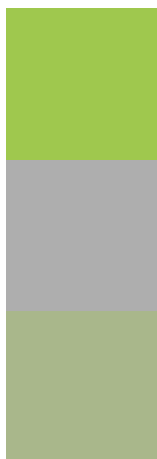
Deuteranomaly

43.7738, 48.1445, 14.9683

Tritanomaly

41.2976, 48.5686, 39.0964

Monochromacy



Original Color

36.3275, 49.2295, 14.7953

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

37.9559, 44.1661, 30.9505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3275, 49.2295, 14.7953 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(159, 200, 78)` looks like.

```
.text, #text, p{  
    color:rgb(159, 200, 78)  
}
```

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(159, 200, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 200, 78) }
```

Border

The CSS property to change the border of an element to XYZ 36.3275, 49.2295, 14.7953 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(159, 200, 78) }
```


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

```
.border{ border-color:rgb(159, 200, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 200, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 200, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 200, 78);  
box-shadow:4px 4px 4px 4px rgb(159, 200,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3275, 49.2295, 14.7953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 200, 78) }
```

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

```
.background{ background-color: rgb(159,  
200, 78) }
```

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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