

Converting Colors

XYZ(36.0211, 58.9584, 24.8905)

Have a look what the booklet for
XYZ(36.0211, 58.9584, 24.8905)
contains.

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Color

**XYZ(35.9872, 58.9916,
24.8190)**

Conversions

Conversions Part 1

Format	Color
Hex	67E370
RGB	103, 227, 112
RGB Percent	40%, 89%, 44%
CMY	0.5961, 0.1098, 0.5608
CMYK	0.55, 0.00, 0.51, 0.11
HSL	124°, 69%, 65%
HSV	124°, 55%, 89%
XYZ	35.9872, 58.9916, 24.8190
YIQ	176.8140, -36.9890, -62.0530

Conversions

Conversions Part 2

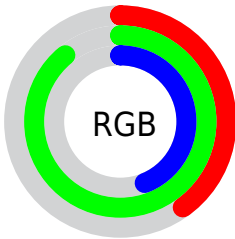
Format	Color
RYB	103, 219, 227
Decimal	6808432
CIELab	81.29, -57.62, 45.56
CIElCh	81, 73.458, 141.664
Yxy	58.9916, 0.3004, 0.4924
Android (android.graphics.Color)	4284998512 (0xFF67E370)
YUV	176.8140, -31.9533, -64.7349
Hunter-Lab	76.8060, -50.7749, 34.6053

Details

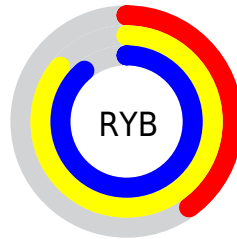
The XYZ color **35.9872, 58.9916, 24.8190** is a light color, and the websafe version is hex **33CC66**. A complement of this color would be **49.1853, 31.0942, 69.7403**, and the grayscale version is **41.8698, 44.0503, 47.9708**.

A 20% lighter version of the original color is **57.7472, 82.0597, 48.8719**, and **15.8175, 29.3990, 9.1159** is the 20% darker color. If you saturate the color by 10%, you get **32.6901, 57.4136, 19.2454**, and if you desaturate by 10%, it is **40.2679, 61.0485, 31.8716**.

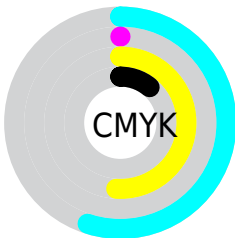
Distribution



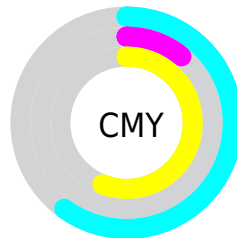
- Red (40%)
- Green (89%)
- Blue (44%)



- Red (40%)
- Yellow (86%)
- Blue (89%)



- Cyan (55%)
- Magenta (0%)
- Yellow (51%)
- Black (11%)





- Cyan (60%)
- Magenta (11%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9872, 58.9916, 24.8190 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 35.9872, 58.9916, 24.8190 by changing the saturation by 10% instead.


 35.9872, 58.9916,
24.8190


 35.9872, 58.9916,
24.8190


320.3368,
420.8708, 290.3541


 24.5944, 42.6064,
15.7245


 68.3363, 103.3655,
52.3239


 15.9022, 29.5764,
9.1771


 90.0233, 132.1229,
71.5714

 9.5454, 19.5173,
4.7585


 115.8724,
165.7731, 95.0402

 5.1585, 12.0446,
2.0500

 146.2489,
204.7006, 123.1490

 2.3763, 6.7741,
0.5858

181.5183,
249.2897, 156.3162

 0.8333, 3.3212,
0.0000

222.0458,

 0.0000, 1.3016,

299.9248, 194.9604

0.0000

268.1969,
356.9904, 239.5002

■ 0.0000, 0.1425,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.9872, 58.9916,
24.8190

■ 35.9872, 58.9916,
24.8190

■ 32.6901, 57.4136,
19.2454

■ 40.2679, 61.0485,
31.8716

■ 30.2943, 56.2690,
15.0419


■ 45.5975, 63.6106,
40.4938


■ 28.7111, 55.5166,
12.0912


■ 52.0407, 66.7114,
50.7738

■ 27.8318, 55.1030,
10.2548

■ 59.6557, 70.3789,
62.7919

 27.5674, 54.9794,
9.6684

 68.4968, 74.6397,
76.6233

 78.6148, 79.5184,
92.3388

 86.7603, 83.4205,
106.1368

Harmonies

Analogous

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



45.8802, 58.9916, 13.3937



35.9872, 58.9916, 24.8190



31.6761, 58.9916, 52.7576

Triad

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



35.9872, 58.9916, 24.8190



51.9054, 58.9916, 189.1359



88.1549, 58.9916, 37.8437

Complementary

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



35.9872, 58.9916, 24.8190



49.1853, 31.0942, 69.7403

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.



90.5699, 58.9916, 77.2596



35.9872, 58.9916, 24.8190



67.6662, 58.9916, 178.9116

Square

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



35.9872, 58.9916, 24.8190



39.7066, 58.9916, 155.7677



82.5040, 58.9916, 132.0825



76.4047, 58.9916, 18.1729

Rectangle

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



35.9872, 58.9916, 24.8190



31.8797, 58.9916, 82.8481



82.5040, 58.9916, 132.0825



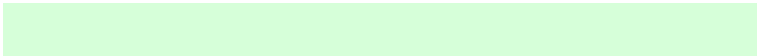
90.1615, 58.9916, 48.6367

Sweetspot

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



35.9887, 58.9941, 24.8203



76.0954, 90.8644, 79.2841



59.0530, 70.9392, 23.4123



15.8308, 19.2287, 16.2508



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.



35.9887, 58.9941, 24.8203



41.9108, 74.4311, 23.9417



40.6328, 60.8517, 49.2759



14.2316, 16.1061, 15.4842



16.0924, 32.0691, 5.7212



1.2041, 2.3758, 0.5014

Inverse Universe

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



49.1853, 31.0942, 69.7403



60.7686, 34.4858, 88.0748



42.5935, 28.4575, 35.0279



14.9476, 14.5962, 17.9243



25.3159, 12.2606, 36.8883



1.8844, 0.9115, 2.7975

Previews

White Background



This preview shows how the XYZ color 35.9872, 58.9916, 24.8190 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 35.9872, 58.9916, 24.8190 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 35.9872, 58.9916, 24.8190

Background



This preview shows how black text looks on a background with the XYZ color 35.9872, 58.9916, 24.8190.

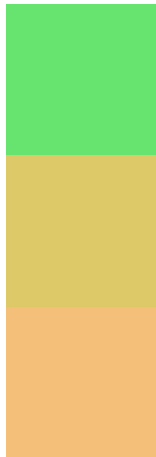


This preview shows how white text looks on a background with the XYZ color 35.9872, 58.9916,

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

35.9872, 58.9916, 24.8190

Protanopia

53.1536, 58.1247, 21.2497

Deuteranopia

59.0441, 57.6968, 26.1138



Tritanopia

47.8304, 58.6880, 84.4083

Trichromacy



Original Color

35.9872, 58.9916, 24.8190



Protanomaly

44.0082, 56.5988, 22.2408



Deuteranomaly

46.6011, 55.7002, 25.4346



Tritanomaly

42.2938, 58.3588, 56.6122

Monochromacy



Original Color

35.9872, 58.9916, 24.8190



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.8426, 47.8142, 37.3715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9872, 58.9916, 24.8190 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(103, 227, 112)` looks like.

```
.text, #text, p{  
    color:rgb(103, 227, 112)  
}
```

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(103, 227, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 227, 112) }
```

Border

The CSS property to change the border of an element to XYZ 35.9872, 58.9916, 24.8190 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(103, 227, 112) }
```


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

```
.border{ border-color:rgb(103, 227, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 227, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 227, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 227, 112);  
box-shadow:4px 4px 4px 4px rgb(103, 227,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9872, 58.9916, 24.8190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 227, 112) }
```

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

```
.background{ background-color: rgb(103,  
227, 112) }
```

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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