

Converting Colors

XYZ(36.9551, 50.2298, 30.2269)

Have a look what the booklet for
XYZ(36.9551, 50.2298, 30.2269)
contains.

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Color

**XYZ(36.9867, 50.2727,
30.3085)**

Conversions

Conversions Part 1

Format	Color
Hex	8FCB86
RGB	143, 203, 134
RGB Percent	56%, 80%, 53%
CMY	0.4392, 0.2039, 0.4745
CMYK	0.30, 0.00, 0.34, 0.20
HSL	112°, 40%, 66%
HSV	112°, 34%, 80%
XYZ	36.9867, 50.2727, 30.3085
YIQ	177.1940, -13.6110, -34.1790

Conversions

Conversions Part 2

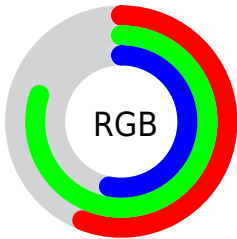
Format	Color
RYB	134, 203, 194
Decimal	9423750
CIELab	76.24, -32.53, 28.44
CIELCh	76, 43.212, 138.837
Yxy	50.2727, 0.3146, 0.4276
Android (android.graphics.Color)	4287613830 (0xFF8FCB86)
YUV	177.1940, -21.2946, -29.9881
Hunter-Lab	70.9032, -30.9661, 24.2880

Details

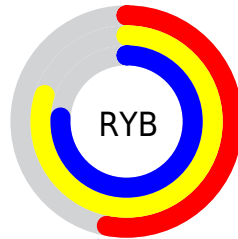
The XYZ color **36.9867, 50.2727, 30.3085** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.5549, 32.8329, 60.6497**, and the grayscale version is **42.0066, 44.1942, 48.1274**.

A 20% lighter version of the original color is **68.1258, 87.1566, 60.8093**, and **16.4066, 23.9936, 12.1540** is the 20% darker color. If you saturate the color by 10%, you get **32.8855, 48.3082, 23.4219**, and if you desaturate by 10%, it is **41.8432, 52.5982, 38.6513**.

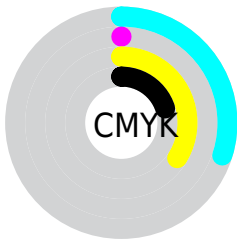
Distribution



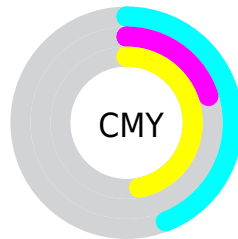
- Red (56%)
- Green (80%)
- Blue (53%)



- Red (53%)
- Yellow (80%)
- Blue (76%)



- Cyan (30%)
- Magenta (0%)
- Yellow (34%)
- Black (20%)





- Cyan (44%)
- Magenta (20%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9867, 50.2727, 30.3085 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 36.9867, 50.2727, 30.3085 by changing the saturation by 10% instead.


 36.9867, 50.2727,
30.3085


 36.9867, 50.2727,
30.3085


324.6095,
387.7314, 317.5918


 25.3708, 35.6301,
19.8188


 69.8663, 90.5788,
61.2165

 16.4837, 24.1487,
12.0807


 91.8607, 117.0111,
82.4719

 9.9601, 15.4439,
6.6754


 118.0454,
148.1421, 108.1529

 5.4346, 9.1315,
3.1846

148.7856,
184.3562, 138.6781

 2.5418, 4.8271,
1.1896

184.4468,
226.0378, 174.4661

 0.9164, 2.1462,
0.0000

225.3942,

 0.0000, 0.6904,

273.5712, 215.9353

0.0000

271.9934,
327.3410, 263.5044

■ 0.0000, 0.0000,
0.0000

■ 36.9867, 50.2727,
30.3085

■ 36.9867, 50.2727,
30.3085

■ 32.8855, 48.3082,
23.4219

■ 41.8432, 52.5982,
38.6513

■ 29.4978, 46.6803,
17.9049

■ 47.4864, 55.2947,
48.5235

■ 26.7834, 45.3720,
13.6669


■ 53.9508, 58.3800,
59.9975

■ 24.6965, 44.3618,
10.6052


■ 61.2676, 61.8686,
73.1401


■ 23.1856, 43.6256,
8.6010

■ 69.4662, 65.7744,
88.0143

 22.1904, 43.1357,
7.5107

 78.4449, 70.0587,
103.9959

 21.7951, 42.9397,
7.1395

 80.6469, 71.1938,
104.0990

Harmonies

Analogous

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



42.9265, 50.2727, 22.4369



36.9867, 50.2727, 30.3085



34.0691, 50.2727, 46.5465

Triad

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



36.9867, 50.2727, 30.3085



44.8295, 50.2727, 111.2224



64.0974, 50.2727, 41.5581

Complementary

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



36.9867, 50.2727, 30.3085



41.5549, 32.8329, 60.6497

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.



64.7562, 50.2727, 63.8391



36.9867, 50.2727, 30.3085



52.9920, 50.2727, 108.7609

Square

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



36.9867, 50.2727, 30.3085



38.2439, 50.2727, 95.6716



60.4983, 50.2727, 89.6736



58.7888, 50.2727, 27.5490

Rectangle

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



36.9867, 50.2727, 30.3085



33.9816, 50.2727, 61.8838



60.4983, 50.2727, 89.6736



64.8907, 50.2727, 48.1654

Sweetspot

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



36.9880, 50.2748, 30.3096



83.5201, 94.4994, 88.3335



48.1811, 52.9147, 30.2292



17.5548, 20.0731, 18.3369



0.0000, 0.0000, 0.0000



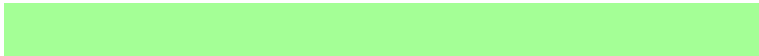
20.3446, 21.4041, 23.3091

Same Dimension

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



36.9880, 50.2748, 30.3096



56.6286, 81.6380, 41.8176



37.4731, 50.2961, 40.6720



11.2018, 12.6059, 11.9222



13.9133, 27.3479, 4.5454



0.7636, 1.4345, 0.2366

Inverse Universe

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



41.5549, 32.8329, 60.6497



65.4288, 47.9418, 100.4129



41.1613, 32.9504, 46.1542



11.5380, 11.3267, 14.1485



18.3851, 8.6854, 36.6637



0.9895, 0.4692, 1.8934

Previews

White Background



This preview shows how the XYZ color 36.9867, 50.2727, 30.3085 looks on a white background.

Color Contrast Check

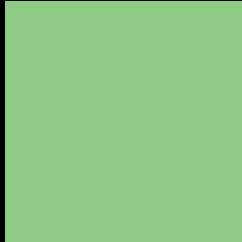
Large Text (above 18pt) WCAG AA × Fail

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 36.9867, 50.2727, 30.3085 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

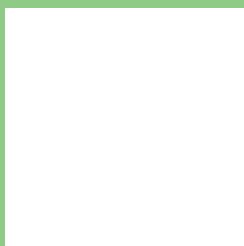
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9867, 50.2727, 30.3085

Background



This preview shows how black text looks on a background with the XYZ color 36.9867, 50.2727, 30.3085.



This preview shows how white text looks on a background with the XYZ color 36.9867, 50.2727,

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

36.9867, 50.2727, 30.3085

Protanopia

46.2297, 49.7695, 27.2486

Deuteranopia

50.8003, 49.8787, 31.3762



Tritanopia

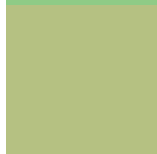
44.5107, 50.2549, 67.6758

Trichromacy



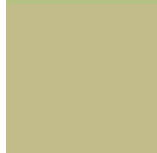
Original Color

36.9867, 50.2727, 30.3085



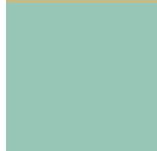
Protanomaly

42.1553, 49.5754, 28.4663



Deuteranomaly

44.4909, 49.1100, 30.8012



Tritanomaly

41.1722, 49.8892, 51.7155

Monochromacy



Original Color

36.9867, 50.2727, 30.3085



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.5090, 45.6904, 40.4550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9867, 50.2727, 30.3085 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(143, 203, 134)` looks like.

```
.text, #text, p{  
    color:rgb(143, 203, 134)  
}
```

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(143, 203, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 203, 134) }
```

Border

The CSS property to change the border of an element to XYZ 36.9867, 50.2727, 30.3085 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(143, 203, 134) }
```


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

```
.border{ border-color:rgb(143, 203, 134) }
```

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

Here you see how a box with a 4 pixel rgb(143, 203, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 203, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 203, 134);  
box-shadow:4px 4px 4px 4px rgb(143, 203,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9867, 50.2727, 30.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 203, 134) }
```

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

```
.background{ background-color: rgb(143,  
203, 134) }
```

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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