

Converting Colors

XYZ(36.9991, 48.8342, 31.2335)

Have a look what the booklet for
XYZ(36.9991, 48.8342, 31.2335)
contains.

XYZ(36.9714, 48.8560, 31.1485)	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(36.9714, 48.8560,
31.1485)**

Conversions

Conversions Part 1

Format	Color
Hex	93C789
RGB	147, 199, 137
RGB Percent	58%, 78%, 54%
CMY	0.4235, 0.2196, 0.4627
CMYK	0.26, 0.00, 0.31, 0.22
HSL	110°, 36%, 66%
HSV	110°, 31%, 78%
XYZ	36.9714, 48.8560, 31.1485
YIQ	176.3840, -11.0900, -30.3060

Conversions

Conversions Part 2

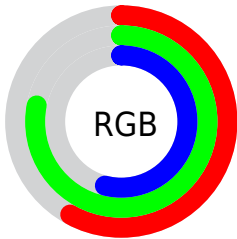
Format	Color
RYB	137, 199, 189
Decimal	9684873
CIELab	75.36, -28.81, 25.74
CIElCh	75, 38.634, 138.225
Yxy	48.8560, 0.3161, 0.4177
Android (android.graphics.Color)	4287874953 (0xFF93C789)
YUV	176.3840, -19.4163, -25.7698
Hunter-Lab	69.8971, -27.9040, 22.5063

Details

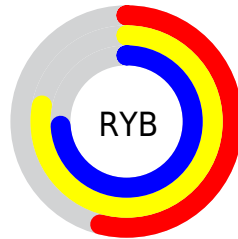
The XYZ color **36.9714, 48.8560, 31.1485** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.2428, 32.8351, 58.2521**, and the grayscale version is **41.5708, 43.7357, 47.6282**.

A 20% lighter version of the original color is **69.5211, 87.8381, 62.5805**, and **16.5650, 23.3718, 12.6550** is the 20% darker color. If you saturate the color by 10%, you get **32.8947, 46.9059, 24.1810**, and if you desaturate by 10%, it is **41.7482, 51.1395, 39.5252**.

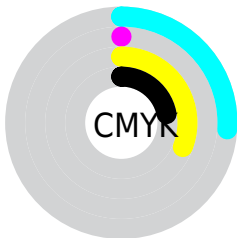
Distribution



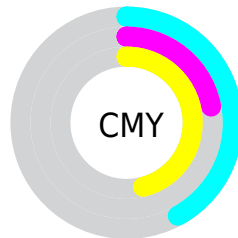
- Red (58%)
- Green (78%)
- Blue (54%)



- Red (54%)
- Yellow (78%)
- Blue (74%)



- Cyan (26%)
- Magenta (0%)
- Yellow (31%)
- Black (22%)



- Cyan (42%)
- Magenta (22%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9714, 48.8560, 31.1485 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 36.9714, 48.8560, 31.1485 by changing the saturation by 10% instead.


 36.9714, 48.8560,
31.1485


 36.9714, 48.8560,
31.1485


324.5444,
382.1751, 321.5942


 25.3589, 34.5053,
20.4525


 69.8429, 88.4775,
62.5561

 16.4748, 23.2820,
12.5371


 91.8327, 114.5171,
84.1048

 9.9537, 14.8019,
6.9836


 118.0122,
145.2218, 110.1082

 5.4303, 8.6805,
3.3736

148.7469,
180.9760, 140.9849

 2.5392, 4.5334,
1.2884

184.4021,
222.1640, 177.1532

 0.9151, 1.9762,
0.0523

225.3432,

 0.0000, 0.5936,

269.1702, 219.0319

0.0000

271.9355,
322.3792, 267.0394

■ 0.0000, 0.0000,
0.0000

■ 36.9714, 48.8560,
31.1485

■ 36.9714, 48.8560,
31.1485

■ 32.8947, 46.9059,
24.1810

■ 41.7482, 51.1395,
39.5252

■ 29.4814, 45.2675,
18.5422

■ 47.2523, 53.7646,
49.3792

■ 26.6966, 43.9262,
14.1486


■ 53.5139, 56.7467,
60.7780


■ 24.5012, 42.8640,
10.9057


■ 60.5604, 60.0988,
73.7841


■ 22.8511, 42.0603,
8.7058

■ 68.4180, 63.8329,
88.4564

 21.6959, 41.4920,
7.4205

 76.8843, 67.8698,
103.6557

 21.0229, 41.1573,
6.8361

 79.7144, 69.3288,
103.7881

Harmonies

Analogous

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



42.2917, 48.8560, 24.0067



36.9714, 48.8560, 31.1485



34.3007, 48.8560, 45.6014

Triad

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



36.9714, 48.8560, 31.1485



43.7026, 48.8560, 101.4495



60.6647, 48.8560, 41.8696

Complementary

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



36.9714, 48.8560, 31.1485



40.2428, 32.8351, 58.2521

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.



61.1415, 48.8560, 61.5899



36.9714, 48.8560, 31.1485



50.8429, 48.8560, 99.7068

Square

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



36.9714, 48.8560, 31.1485



37.9133, 48.8560, 88.0504



57.3923, 48.8560, 83.7647



56.1492, 48.8560, 29.0195

Rectangle

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



36.9714, 48.8560, 31.1485



34.1807, 48.8560, 58.9941



57.3923, 48.8560, 83.7647



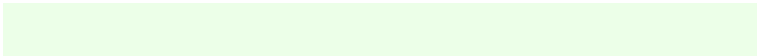
61.3183, 48.8560, 47.7906

Sweetspot

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



36.9727, 48.8581, 31.1496



84.8421, 95.1393, 90.2732



46.1966, 50.2025, 30.9229



17.8291, 20.2062, 18.7239



0.0000, 0.0000, 0.0000



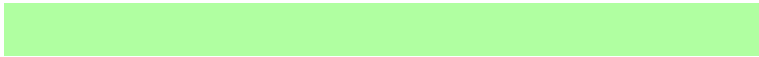
20.3446, 21.4041, 23.3091

Same Dimension

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



36.9727, 48.8581, 31.1496



60.0363, 83.2953, 46.4700



36.8844, 48.6246, 39.6402



10.6542, 11.9687, 11.3114



13.5669, 26.4893, 4.3979



0.6939, 1.2808, 0.2107

Inverse Universe

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



40.2428, 32.8351, 58.2521



66.5959, 51.0752, 100.9562



40.5700, 33.2625, 46.5790



10.9087, 10.7267, 13.4130



16.9259, 7.9599, 35.3887



0.8476, 0.4007, 1.6778

Previews

White Background



This preview shows how the XYZ color 36.9714, 48.8560, 31.1485 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 36.9714, 48.8560, 31.1485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

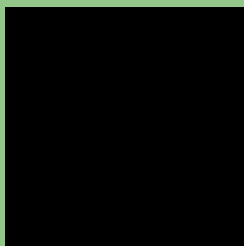
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9714, 48.8560, 31.1485

Background



This preview shows how black text looks on a background with the XYZ color 36.9714, 48.8560, 31.1485.



This preview shows how white text looks on a background with the XYZ color 36.9714, 48.8560,

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

36.9714, 48.8560, 31.1485

Protanopia

44.9989, 48.4787, 28.4584

Deuteranopia

49.2199, 48.1490, 32.2907



Tritanopia

43.8521, 48.6541, 65.4724

Trichromacy



Original Color

36.9714, 48.8560, 31.1485

Protanomaly

41.4695, 48.2237, 29.3127

Deuteranomaly

43.8208, 47.7978, 31.7272

Tritanomaly

40.9280, 48.4447, 50.9097

Monochromacy



Original Color

36.9714, 48.8560, 31.1485

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.1791, 44.8889, 40.7819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9714, 48.8560, 31.1485 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(147, 199, 137)` looks like.

```
.text, #text, p{  
    color:rgb(147, 199, 137)  
}
```

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(147, 199, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 199, 137) }
```

Border

The CSS property to change the border of an element to XYZ 36.9714, 48.8560, 31.1485 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(147, 199, 137) }
```


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

```
.border{ border-color:rgb(147, 199, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 199, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 199, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 199, 137);  
box-shadow:4px 4px 4px 4px rgb(147, 199,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9714, 48.8560, 31.1485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 199, 137) }
```

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

```
.background{ background-color: rgb(147,  
199, 137) }
```

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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