

Converting Colors

XYZ(47.8366, 69.6613, 37.8619)

Have a look what the booklet for
XYZ(47.8366, 69.6613, 37.8619)
contains.

| | |
|--|----|
| XYZ(47.7180, 69.3964, 37.6679) | 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(47.7180, 69.3964,
37.6679)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 93EE91 |
| RGB | 147, 238, 145 |
| RGB Percent | 58%, 93%, 57% |
| CMY | 0.4235, 0.0666, 0.4314 |
| CMYK | 0.38, 0.00, 0.39, 0.07 |
| HSL | 119°, 73%, 75% |
| HSV | 119°, 39%, 93% |
| XYZ | 47.7180, 69.3964, 37.6679 |
| YIQ | 200.1890, -24.3830, -48.2150 |

Conversions

Conversions Part 2

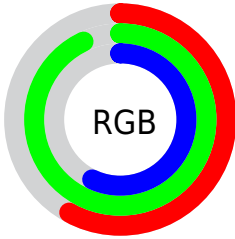
| Format | Color |
|-------------------------------------|--|
| RYB | 145, 238, 236 |
| Decimal | 9694865 |
| CIELab | 86.70, -45.28, 36.67 |
| CIElCh | 87, 58.267, 140.999 |
| Yxy | 69.3964, 0.3083, 0.4483 |
| Android (android.graphics.Color) | 4287884945 (0xFF93EE91) |
| YUV | 200.1890, -27.2082, -46.6468 |
| Hunter-Lab | 83.3045, -43.5355, 31.5039 |

Details

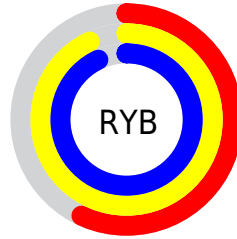
The XYZ color **47.7180, 69.3964, 37.6679** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **60.1532, 44.2588, 86.2649**, and the grayscale version is **55.1909, 58.0651, 63.2329**.

A 20% lighter version of the original color is **71.0872, 88.5275, 67.9844**, and **22.8140, 36.0622, 16.1142** is the 20% darker color. If you saturate the color by 10%, you get **42.3101, 66.8009, 28.8181**, and if you desaturate by 10%, it is **54.3592, 72.5874, 48.5850**.

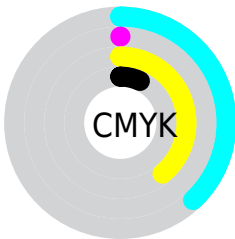
Distribution



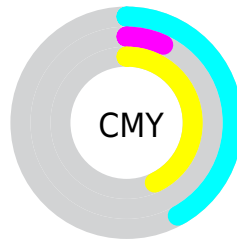
- Red (58%)
- Green (93%)
- Blue (57%)



- Red (57%)
- Yellow (93%)
- Blue (93%)



- Cyan (38%)
- Magenta (0%)
- Yellow (39%)
- Black (7%)



- Cyan (42%)
- Magenta (7%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7180, 69.3964, 37.6679 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 47.7180, 69.3964, 37.6679 by changing the saturation by 10% instead.

47.7180, 69.3964,
37.6679

47.7180, 69.3964,
37.6679

368.2745,
458.4278, 351.4486

33.8139, 51.0346,
25.4252

85.9966, 118.3476,
72.7966

22.9129, 36.2361,
16.1722

111.1019,
149.7057, 96.5197

14.6496, 24.6166,
9.4904

140.6716,
186.1648, 124.9066

8.6585, 15.7917,
4.9613

175.0712,
228.1092, 158.3760

4.5744, 9.3769,
2.1662

214.6659,
275.9233, 197.3464

2.0320, 4.9878,
0.6548


259.8211,


0.6518, 2.2401,


329.9915, 242.2362


0.0000


310.9022,
390.6982, 293.4641


 0.0000, 0.7417,
0.0000


 0.0000, 0.0000,
0.0000


 47.7180, 69.3964,
37.6679


 47.7180, 69.3964,
37.6679


 42.3101, 66.8009,
28.8181


 54.3592, 72.5874,
48.5850


 38.0548, 64.7559,
21.9012

 62.2976, 76.3981,
61.6834

 34.8699, 63.2242,
16.7740

 71.5990, 80.8621,
77.0742

 32.6603, 62.1603,
13.2719

 82.3230, 86.0080,
94.8597

■ 31.3141, 61.5108,
11.1997

■ 89.8659, 89.6318,
107.1720

■ 30.6789, 61.2035,
10.2597

■ 30.6399, 61.1848,
10.1950

Harmonies

Analogous

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



57.0589, 69.3964, 25.1250



47.7180, 69.3964, 37.6679



43.4337, 69.3964, 64.4817

Triad

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



47.7180, 69.3964, 37.6679



61.9678, 69.3964, 175.7741



93.3854, 69.3964, 51.8582

Complementary

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



47.7180, 69.3964, 37.6679



60.1532, 44.2588, 86.2649

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.



95.1734, 69.3964, 87.8416



47.7180, 69.3964, 37.6679



75.7400, 69.3964, 168.7837

Square

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



47.7180, 69.3964, 37.6679



50.8882, 69.3964, 149.6177



88.3413, 69.3964, 132.8967



83.7457, 69.3964, 31.1525

Rectangle

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



47.7180, 69.3964, 37.6679



43.5532, 69.3964, 90.7053



88.3413, 69.3964, 132.8967



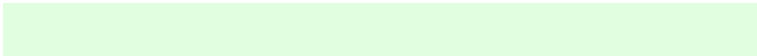
94.9721, 69.3964, 62.2036

Sweetspot

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



47.7198, 69.3993, 37.6694



80.3382, 92.9404, 84.5108



70.0535, 79.5844, 38.4582



16.8841, 19.7436, 17.5731



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.



47.7198, 69.3993, 37.6694



50.5796, 78.6534, 35.4929



51.3741, 70.8200, 58.7673



15.5973, 17.6726, 16.7388



17.1069, 34.1405, 5.6881



1.4341, 2.8458, 0.4737

Inverse Universe

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



60.1532, 44.2588, 86.2649



67.0337, 45.3646, 99.8309



55.1928, 42.3518, 56.6609



16.4187, 16.0131, 19.9471



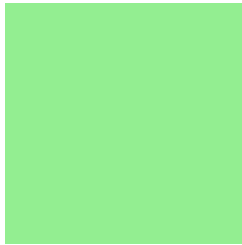
27.3519, 13.1058, 46.2159



2.2860, 1.0958, 3.8452

Previews

White Background



This preview shows how the XYZ color 47.7180, 69.3964, 37.6679 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 47.7180, 69.3964, 37.6679 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 47.7180, 69.3964, 37.6679

Background



This preview shows how black text looks on a background with the XYZ color 47.7180, 69.3964, 37.6679.

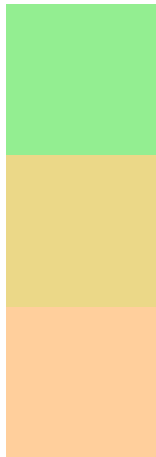


This preview shows how white text looks on a background with the XYZ color 47.7180, 69.3964,

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

47.7180, 69.3964, 37.6679

Protanopia

63.2608, 68.5515, 33.1901

Deuteranopia

69.5536, 68.2859, 40.9671



Tritanopia

59.2514, 69.0314, 95.7895

Trichromacy



Original Color

47.7180, 69.3964, 37.6679



Protanomaly

55.9445, 67.8719, 34.5781



Deuteranomaly

59.0578, 67.0087, 39.5271



Tritanomaly

53.9801, 68.5186, 70.0549

Monochromacy



Original Color

47.7180, 69.3964, 37.6679



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.3408, 61.2122, 52.2892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7180, 69.3964, 37.6679 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, 238, 145)` looks like.

```
.text, #text, p{  
    color:rgb(147, 238, 145)  
}
```

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, 238, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 238, 145) }
```

Border

The CSS property to change the border of an element to XYZ 47.7180, 69.3964, 37.6679 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, 238, 145) }
```


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

```
.border{ border-color:rgb(147, 238, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 238, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 238, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 238, 145);  
box-shadow:4px 4px 4px 4px rgb(147, 238,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7180, 69.3964, 37.6679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 238, 145) }
```

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

```
.background{ background-color: rgb(147,  
238, 145) }
```

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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