

Converting Colors

XYZ(47.9900, 72.5365, 38.0306)

Have a look what the booklet for
XYZ(47.9900, 72.5365, 38.0306)
contains.

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Color

**XYZ(48.0030, 72.6368,
37.8758)**

Conversions

Conversions Part 1

Format	Color
Hex	89F590
RGB	137, 245, 144
RGB Percent	54%, 96%, 56%
CMY	0.4627, 0.0392, 0.4353
CMYK	0.44, 0.00, 0.41, 0.04
HSL	124°, 84%, 75%
HSV	124°, 44%, 96%
XYZ	48.0030, 72.6368, 37.8758
YIQ	201.1940, -31.9470, -54.3070

Conversions

Conversions Part 2

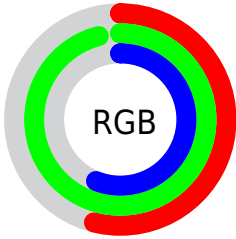
Format	Color
RYB	137, 238, 245
Decimal	9041296
CIELab	88.27, -51.28, 39.13
CIELCh	88, 64.499, 142.656
Yxy	72.6368, 0.3028, 0.4582
Android (android.graphics.Color)	4287231376 (0xFF89F590)
YUV	201.1940, -28.1966, -56.2981
Hunter-Lab	85.2272, -48.6101, 33.3100

Details

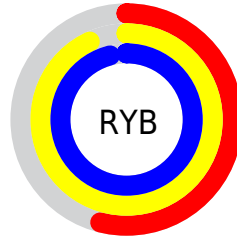
The XYZ color **48.0030, 72.6368, 37.8758** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.0368, 43.4783, 86.0139**, and the grayscale version is **55.8229, 58.7301, 63.9570**.

A 20% lighter version of the original color is **68.5745, 87.2456, 67.2587**, and **23.1394, 38.4014, 16.3179** is the 20% darker color. If you saturate the color by 10%, you get **42.8566, 70.1681, 29.4033**, and if you desaturate by 10%, it is **54.4203, 75.7238, 48.2659**.

Distribution



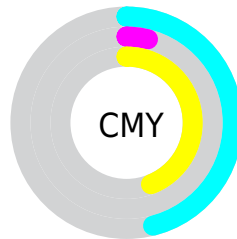
- Red (54%)
- Green (96%)
- Blue (56%)



- Red (54%)
- Yellow (93%)
- Blue (96%)



- Cyan (44%)
- Magenta (0%)
- Yellow (41%)
- Black (4%)





- Cyan (46%)
- Magenta (4%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0030, 72.6368, 37.8758 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 48.0030, 72.6368, 37.8758 by changing the saturation by 10% instead.


 48.0030, 72.6368,
37.8758


 48.0030, 72.6368,
37.8758


369.3864,
469.7551, 352.3691

 34.0405, 53.6790,
25.5852


 86.4185, 122.9615,
73.1190

 23.0878, 38.3451,
16.2906


 111.6023,
155.0971, 96.9088

 14.7794, 26.2507,
9.5735

141.2572,
192.3943, 125.3687

 8.7500, 17.0112,
5.0152

175.7486,
235.2372, 158.9172

 4.6343, 10.2425,
2.1973

215.4419,
284.0103, 197.9730

 2.0669, 5.5600,
0.6728


260.7024,

 0.6711, 2.5795,


339.0981, 242.9546


0.0000

311.8954,
400.8849, 294.2804


 0.0000, 0.9163,
0.0000


 0.0000, 0.0000,
0.0000


 48.0030, 72.6368,
37.8758


 48.0030, 72.6368,
37.8758

 42.8566, 70.1681,
29.4033


 54.4203, 75.7238,
48.2659


 38.8914, 68.2676,
22.7266

 62.1795, 79.4572,
60.6758

 36.0149, 66.8926,
17.7178

 71.3527, 83.8741,
75.2061

 34.1183, 65.9901,
14.2299

 82.0056, 89.0063,
91.9495

■ 33.0700, 65.4960,
12.0903

■ 91.9438, 93.7877,
107.8646

■ 32.7465, 65.3447,
11.3725

Harmonies

Analogous

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



58.2114, 72.6368, 23.6725



48.0030, 72.6368, 37.8758



43.5572, 72.6368, 68.6994

Triad

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



48.0030, 72.6368, 37.8758



65.3090, 72.6368, 197.1156



100.2606, 72.6368, 50.6229

Complementary

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



48.0030, 72.6368, 37.8758



62.0368, 43.4783, 86.0139

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.



102.9122, 72.6368, 90.4768



48.0030, 72.6368, 37.8758



81.1325, 72.6368, 186.5206

Square

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



48.0030, 72.6368, 37.8758



52.5335, 72.6368, 167.8984



95.4668, 72.6368, 142.7767



88.6837, 72.6368, 28.8828

Rectangle

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



48.0030, 72.6368, 37.8758



43.9100, 72.6368, 99.2433



95.4668, 72.6368, 142.7767



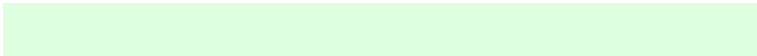
102.2893, 72.6368, 61.8668

Sweetspot

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



48.0048, 72.6398, 37.8774



79.2927, 92.4077, 84.1776



72.9703, 85.5700, 36.3381



16.4589, 19.5320, 17.2081



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.



48.0048, 72.6398, 37.8774



47.4216, 77.0770, 33.0116



52.9804, 74.6301, 64.0782



16.3258, 18.4894, 17.7339



17.6573, 35.2078, 6.2151



1.5669, 3.1004, 0.6250

Inverse Universe

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



62.0368, 43.4783, 86.0139



64.6097, 41.3254, 91.9524



55.4244, 40.8333, 51.1938



17.1645, 16.7487, 20.6129



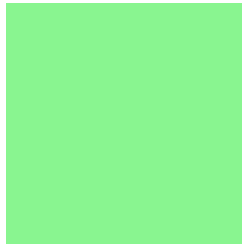
27.9342, 13.5171, 41.2235



2.4689, 1.1935, 3.6956

Previews

White Background



This preview shows how the XYZ color 48.0030, 72.6368, 37.8758 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 48.0030, 72.6368, 37.8758 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

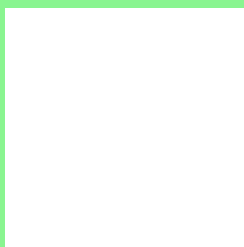
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0030, 72.6368, 37.8758

Background



This preview shows how black text looks on a background with the XYZ color 48.0030, 72.6368, 37.8758.



This preview shows how white text looks on a background with the XYZ color 48.0030, 72.6368,

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

48.0030, 72.6368, 37.8758

Protanopia

65.8315, 71.4329, 32.8725

Deuteranopia

72.1021, 71.6757, 47.0804



Tritanopia

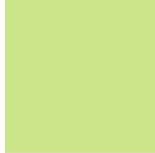
60.5673, 72.0492, 101.9814

Trichromacy



Original Color

48.0030, 72.6368, 37.8758



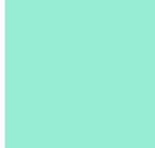
Protanomaly

57.2354, 70.5701, 34.6495



Deuteranomaly

60.3346, 70.3507, 43.2000



Tritanomaly

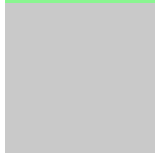
54.9304, 71.9011, 73.2705

Monochromacy



Original Color

48.0030, 72.6368, 37.8758



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.4112, 62.3860, 52.5121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0030, 72.6368, 37.8758 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(137, 245, 144)` looks like.

```
.text, #text, p{  
    color:rgb(137, 245, 144)  
}
```

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(137, 245, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 245, 144) }
```

Border

The CSS property to change the border of an element to XYZ 48.0030, 72.6368, 37.8758 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(137, 245, 144) }
```


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

```
.border{ border-color:rgb(137, 245, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 245, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 245, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 245, 144);  
box-shadow:4px 4px 4px 4px rgb(137, 245,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0030, 72.6368, 37.8758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 245, 144) }
```

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

```
.background{ background-color: rgb(137,  
245, 144) }
```

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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