

Converting Colors

XYZ(48.8084, 69.2731, 49.1727)

Have a look what the booklet for
XYZ(48.8084, 69.2731, 49.1727)
contains.

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Color

**XYZ(48.7902, 69.2594,
49.3250)**

Conversions

Conversions Part 1

Format	Color
Hex	8EEDAB
RGB	142, 237, 171
RGB Percent	56%, 93%, 67%
CMY	0.4431, 0.0706, 0.3294
CMYK	0.40, 0.00, 0.28, 0.07
HSL	138°, 73%, 74%
HSV	138°, 40%, 93%
XYZ	48.7902, 69.2594, 49.3250
YIQ	201.0710, -35.4340, -40.6660

Conversions

Conversions Part 2

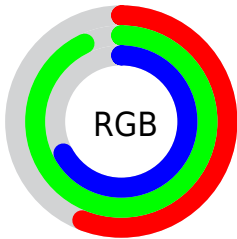
Format	Color
RYB	142, 215, 237
Decimal	9366955
CIELab	86.63, -42.04, 23.35
CIElCh	87, 48.085, 150.949
Yxy	69.2594, 0.2915, 0.4138
Android (android.graphics.Color)	4287557035 (0xFF8EEDAB)
YUV	201.0710, -14.8250, -51.8053
Hunter-Lab	83.2222, -40.9908, 23.1150

Details

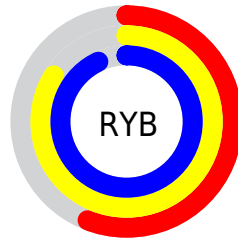
The XYZ color **48.7902, 69.2594, 49.3250** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.9855, 41.9061, 64.8150**, and the grayscale version is **55.6676, 58.5667, 63.7791**.

A 20% lighter version of the original color is **73.1783, 89.2082, 86.0350**, and **23.4290, 35.9290, 22.8397** is the 20% darker color. If you saturate the color by 10%, you get **43.6752, 66.7947, 41.3974**, and if you desaturate by 10%, it is **54.9688, 72.2537, 58.3260**.

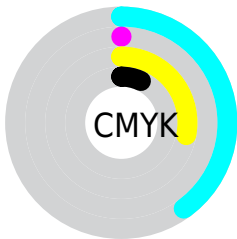
Distribution



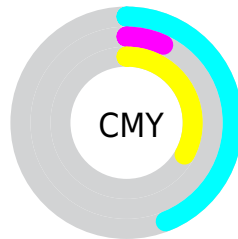
- Red (56%)
- Green (93%)
- Blue (67%)



- Red (56%)
- Yellow (84%)
- Blue (93%)



- Cyan (40%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)





- Cyan (44%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7902, 69.2594, 49.3250 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 48.7902, 69.2594, 49.3250 by changing the saturation by 10% instead.


 48.7902, 69.2594,
49.3250


 48.7902, 69.2594,
49.3250


372.4465,
457.9453, 400.6796

 34.6669, 50.9230,
34.5099


 87.5824, 118.1520,
90.5599

 23.5717, 36.1473,
23.0051


 112.9820,
149.4770, 117.8169

 15.1392, 24.5480,
14.3919


142.8711,
185.9003, 150.0582

 9.0041, 15.7406,
8.2519

177.6151,
227.8063, 187.7025

 4.8010, 9.3408,
4.1665

217.5792,
275.5794, 231.1682

 2.1645, 4.9641,
1.7171

263.1289,

 0.7239, 2.2262,

329.6040, 280.8739

0.3724

314.6296,
390.2645, 337.2382

■ 0.0000, 0.7342,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.7902, 69.2594,
49.3250

■ 48.7902, 69.2594,
49.3250

■ 43.6752, 66.7947,
41.3974

■ 54.9688, 72.2537,
58.3260

■ 39.5560, 64.8196,
34.4983

■ 62.2629, 75.7978,
68.4338

■ 36.3652, 63.3022,
28.5863

■ 70.7272, 79.9210,
79.6863

■ 34.0240, 62.2029,
23.6154

■ 80.4113, 84.6482,
92.1179

■ 32.4399, 61.4749,
19.5357

■ 89.3078, 88.9439,
105.6657

■ 31.4666, 61.0434,
16.3147

■ 89.5755, 89.0510,
107.0752

Harmonies

Analogous

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



55.3951, 69.2594, 34.0202



48.7902, 69.2594, 49.3250



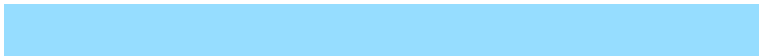
46.6140, 69.2594, 76.4345

Triad

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



48.7902, 69.2594, 49.3250



66.1852, 69.2594, 155.0945



86.0084, 69.2594, 48.0080

Complementary

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



48.7902, 69.2594, 49.3250



55.9855, 41.9061, 64.8150

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.



89.7093, 69.2594, 74.3980



48.7902, 69.2594, 49.3250



77.4971, 69.2594, 141.3783

Square

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



48.7902, 69.2594, 49.3250



55.9458, 69.2594, 142.9321



86.4340, 69.2594, 109.3768



76.8125, 69.2594, 33.4248

Rectangle

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



48.7902, 69.2594, 49.3250



47.7480, 69.2594, 99.5969



86.4340, 69.2594, 109.3768



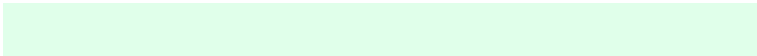
87.9800, 69.2594, 55.4977

Sweetspot

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



48.7920, 69.2623, 49.3266



81.4387, 93.3569, 91.3743



61.3224, 76.0070, 37.0307



17.1413, 19.8409, 19.1757



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.



48.7920, 69.2623, 49.3266



52.6221, 79.3750, 50.5597



54.0965, 71.3841, 77.2597



15.0576, 16.9379, 16.9863



17.2301, 33.3465, 9.1765



1.3945, 2.6351, 0.9390

Inverse Universe

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



55.9855, 41.9061, 64.8150



62.1802, 42.9687, 71.0969



51.0330, 39.9251, 38.7359



15.5076, 15.2309, 17.9585



22.8197, 11.3306, 20.6495



1.8344, 0.9067, 1.8454

Previews

White Background



This preview shows how the XYZ color 48.7902, 69.2594, 49.3250 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 48.7902, 69.2594, 49.3250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

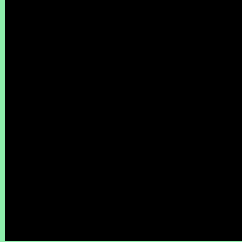
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7902, 69.2594, 49.3250

Background



This preview shows how black text looks on a background with the XYZ color 48.7902, 69.2594, 49.3250.



This preview shows how white text looks on a background with the XYZ color 48.7902, 69.2594,

49.3250.

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

48.7902, 69.2594, 49.3250

Protanopia

63.6885, 68.1630, 43.5182

Deuteranopia

69.6730, 68.1240, 51.0721



Tritanopia

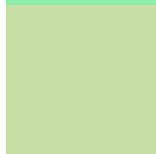
58.2042, 68.8611, 97.4126

Trichromacy



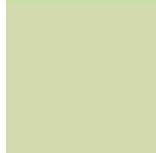
Original Color

48.7902, 69.2594, 49.3250



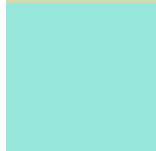
Protanomaly

56.7324, 67.6341, 45.6619



Deuteranomaly

59.6732, 67.0868, 50.3614



Tritanomaly

54.3110, 68.9417, 77.4624

Monochromacy



Original Color

48.7902, 69.2594, 49.3250



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.1632, 61.5141, 57.8393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7902, 69.2594, 49.3250 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(142, 237, 171)` looks like.

```
.text, #text, p{  
    color:rgb(142, 237, 171)  
}
```

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(142, 237, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 237, 171) }
```

Border

The CSS property to change the border of an element to XYZ 48.7902, 69.2594, 49.3250 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(142, 237, 171) }
```


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

```
.border{ border-color:rgb(142, 237, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 237, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 237, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 237, 171);  
box-shadow:4px 4px 4px 4px rgb(142, 237,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7902, 69.2594, 49.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 237, 171) }
```

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

```
.background{ background-color: rgb(142,  
237, 171) }
```

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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