

Converting Colors

XYZ(48.8044, 69.4349, 61.2821)

Have a look what the booklet for
XYZ(48.8044, 69.4349, 61.2821)
contains.

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Color

**XYZ(48.8044, 69.4349,
61.2821)**

Conversions

Conversions Part 1

Format	Color
Hex	7EEEC1
RGB	126, 238, 193
RGB Percent	49%, 93%, 76%
CMY	0.5059, 0.0667, 0.2431
CMYK	0.47, 0.00, 0.19, 0.07
HSL	156°, 77%, 71%
HSV	156°, 47%, 93%
XYZ	48.8044, 69.4349, 61.2821
YIQ	199.3820, -52.3070, -37.7390

Conversions

Conversions Part 2

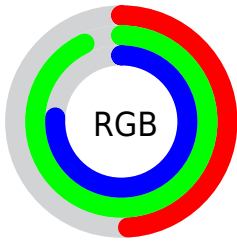
Format	Color
RYB	126, 196, 238
Decimal	8318657
CIELab	86.72, -42.37, 11.97
CIELCh	87, 44.029, 164.220
Yxy	69.4349, 0.2719, 0.3868
Android (android.graphics.Color)	4286508737 (0xFF7EEEC1)
YUV	199.3820, -3.1463, -64.3560
Hunter-Lab	83.3276, -41.2771, 14.7253

Details

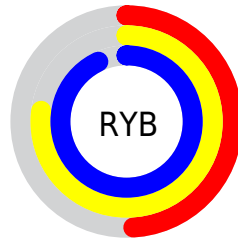
The XYZ color **48.8044, 69.4349, 61.2821** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.0738, 36.0410, 42.8483**, and the grayscale version is **54.5633, 57.4049, 62.5139**.

A 20% lighter version of the original color is **72.6260, 88.5499, 102.8866**, and **23.4988, 36.1051, 30.1566** is the 20% darker color. If you saturate the color by 10%, you get **44.6713, 67.4253, 55.6996**, and if you desaturate by 10%, it is **53.8451, 71.9080, 67.2702**.

Distribution



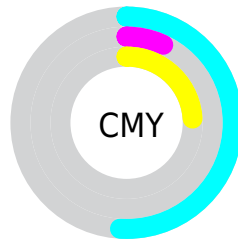
- Red (49%)
- Green (93%)
- Blue (76%)



- Red (49%)
- Yellow (77%)
- Blue (93%)



- Cyan (47%)
- Magenta (0%)
- Yellow (19%)
- Black (7%)





- Cyan (51%)
- Magenta (7%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8044, 69.4349, 61.2821 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 48.8044, 69.4349, 61.2821 by changing the saturation by 10% instead.


 48.8044, 69.4349,
61.2821


 48.8044, 69.4349,
61.2821

372.5015,
458.5633, 447.2427


 34.6782, 51.0660,
44.0208


 87.6033, 118.4025,
108.2488

 23.5805, 36.2611,
30.3496


 113.0068,
149.7700, 138.7913

 15.1458, 24.6359,
19.8498


 142.9002,
186.2392, 174.5980

 9.0087, 15.8060,
12.1029

177.6487,
228.1943, 216.0874

 4.8040, 9.3870,
6.6904

217.6177,
276.0200, 263.6780

 2.1663, 4.9945,
3.1938

263.1726,

 0.7249, 2.2440,

330.1004, 317.7884

1.1944

314.6788,
390.8201, 378.8371

■ 0.0000, 0.7438,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.8044, 69.4349,
61.2821

■ 48.8044, 69.4349,
61.2821

■ 44.6713, 67.4253,
55.6996

■ 53.8451, 71.9080,
67.2702

■ 41.3786, 65.8394,
50.5084


■ 59.8431, 74.8647,
73.6684


■ 38.8587, 64.6442,
45.6997


■ 66.8513, 78.3339,
80.4870


■ 37.0302, 63.7979,
41.2628

■ 74.9168, 82.3397,
87.7343

 35.7886, 63.2467,
37.1852

 84.0838, 86.9049,
95.4187

 35.4863, 63.1157,
36.0507

 89.1308, 89.3375,
103.3017

 89.8657, 89.6315,
107.1719

Harmonies

Analogous

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



53.1949, 69.4349, 41.9646



48.8044, 69.4349, 61.2821



48.6910, 69.4349, 90.3172

Triad

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



48.8044, 69.4349, 61.2821



70.9514, 69.4349, 144.4926



81.1355, 69.4349, 42.7020

Complementary

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



48.8044, 69.4349, 61.2821



50.0738, 36.0410, 42.8483

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.



86.9801, 69.4349, 62.5802



48.8044, 69.4349, 61.2821



80.7013, 69.4349, 123.6410

Square

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



48.8044, 69.4349, 61.2821



60.7851, 69.4349, 143.8816



86.8134, 69.4349, 91.9969



71.4961, 69.4349, 33.2873

Rectangle

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



48.8044, 69.4349, 61.2821



51.0175, 69.4349, 111.9534



86.8134, 69.4349, 91.9969



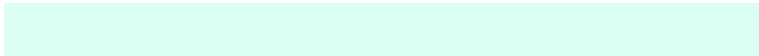
83.6514, 69.4349, 48.1192

Sweetspot

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



48.8063, 69.4377, 61.2837



80.8895, 92.9570, 96.6288



51.5026, 71.5046, 30.8272



16.8944, 19.6886, 20.2968



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.



48.8063, 69.4377, 61.2837



52.6171, 79.0377, 65.6807



51.9662, 66.4658, 90.9824



15.9629, 17.8152, 18.8274



19.8627, 35.2371, 20.4577



1.7014, 2.9510, 1.9602

Inverse Universe

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



50.0738, 36.0410, 42.8483



54.2720, 35.7788, 41.8665



47.7385, 37.1064, 24.3860



16.0360, 15.8641, 17.7456



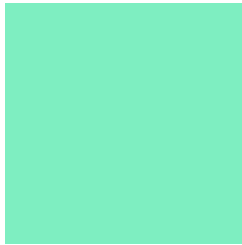
20.8998, 10.6323, 7.3889



1.7866, 0.9037, 0.8670

Previews

White Background



This preview shows how the XYZ color 48.8044, 69.4349, 61.2821 looks on a white background.

Color Contrast Check

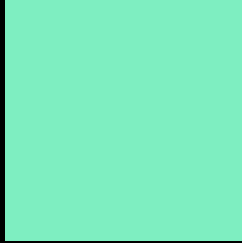
Large Text (above 18pt) WCAG AA × Fail

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 48.8044, 69.4349, 61.2821 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 48.8044, 69.4349, 61.2821

Background



This preview shows how black text looks on a background with the XYZ color 48.8044, 69.4349, 61.2821.

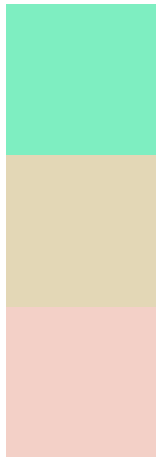


This preview shows how white text looks on a background with the XYZ color 48.8044, 69.4349,

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

48.8044, 69.4349, 61.2821

Protanopia

64.4225, 68.3092, 54.0455

Deuteranopia

69.8268, 68.2900, 63.5338



Tritanopia

56.3802, 69.0959, 99.9878

Trichromacy



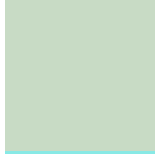
Original Color

48.8044, 69.4349, 61.2821



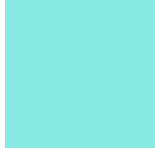
Protanomaly

56.4858, 67.2677, 56.4612



Deuteranomaly

59.2290, 66.9736, 62.6288



Tritanomaly

53.4351, 69.1692, 84.6634

Monochromacy



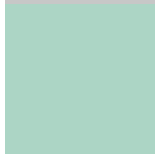
Original Color

48.8044, 69.4349, 61.2821



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

50.8856, 60.3904, 61.7979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8044, 69.4349, 61.2821 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(126, 238, 193)` looks like.

```
.text, #text, p{  
    color:rgb(126, 238, 193)  
}
```

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(126, 238, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 238, 193) }
```

Border

The CSS property to change the border of an element to XYZ 48.8044, 69.4349, 61.2821 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(126, 238, 193) }
```


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

```
.border{ border-color:rgb(126, 238, 193) }
```

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

Here you see how a box with a 4 pixel rgb(126, 238, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 238, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 238, 193);  
box-shadow:4px 4px 4px 4px rgb(126, 238,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8044, 69.4349, 61.2821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 238, 193) }
```

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

```
.background{ background-color: rgb(126,  
238, 193) }
```

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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