

Converting Colors

XYZ(48.8246, 69.2051, 66.7813)

Have a look what the booklet for
XYZ(48.8246, 69.2051, 66.7813)
contains.

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Color

**XYZ(48.8430, 69.3353,
66.6859)**

Conversions

Conversions Part 1

Format	Color
Hex	77EECA
RGB	119, 238, 202
RGB Percent	47%, 93%, 79%
CMY	0.5333, 0.0667, 0.2078
CMYK	0.50, 0.00, 0.15, 0.07
HSL	162°, 78%, 70%
HSV	162°, 50%, 93%
XYZ	48.8430, 69.3353, 66.6859
YIQ	198.3150, -59.3680, -36.4240

Conversions

Conversions Part 2

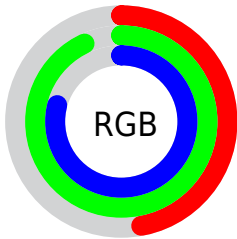
Format	Color
RYB	119, 189, 238
Decimal	7859914
CIELab	86.67, -42.05, 7.17
CIElCh	87, 42.660, 170.323
Yxy	69.3353, 0.2642, 0.3751
Android (android.graphics.Color)	4286049994 (0xFF77EECA)
YUV	198.3150, 1.8167, -69.5593
Hunter-Lab	83.2678, -41.0147, 10.8045

Details

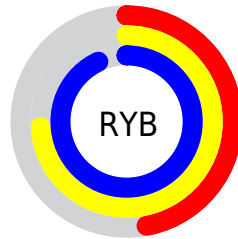
The XYZ color **48.8430, 69.3353, 66.6859** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.7755, 33.7392, 35.0073**, and the grayscale version is **53.8850, 56.6912, 61.7367**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **23.5001, 36.0266, 33.7322** is the 20% darker color. If you saturate the color by 10%, you get **45.1441, 67.5264, 62.1667**, and if you desaturate by 10%, it is **53.4033, 71.5872, 71.4562**.

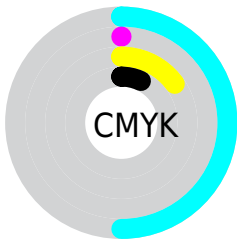
Distribution



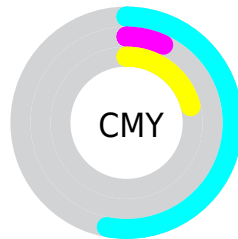
- Red (47%)
- Green (93%)
- Blue (79%)



- Red (47%)
- Yellow (74%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (15%)
- Black (7%)





- Cyan (53%)
- Magenta (7%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8430, 69.3353, 66.6859 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 48.8430, 69.3353, 66.6859 by changing the saturation by 10% instead.


 48.8430, 69.3353,
66.6859


 48.8430, 69.3353,
66.6859


372.6511,
458.2127, 467.2969


 34.7090, 50.9848,
48.3694


 87.6604, 118.2604,
116.1066

 23.6042, 36.1965,
33.7575


 113.0744,
149.6037, 148.0479

 15.1635, 24.5860,
22.4315


 142.9792,
186.0469, 185.3679

 9.0212, 15.7689,
13.9729

177.7400,
227.9741, 228.4851

 4.8123, 9.3608,
7.9633

217.7222,
275.7700, 277.8180

 2.1712, 4.9772,
3.9840

263.2913,

 0.7275, 2.2339,

329.8187, 333.7853

1.6166

314.8125,
390.5048, 396.8054

■ 0.0000, 0.7384,
0.3026

■ 0.0000, 0.0000,
0.0000

■ 48.8430, 69.3353,
66.6859

■ 48.8430, 69.3353,
66.6859

■ 45.1441, 67.5264,
62.1667

■ 53.4033, 71.5872,
71.4562

■ 42.2381, 66.1200,
57.8879


■ 58.8756, 74.3027,
76.4781


■ 40.0551, 65.0819,
53.8450


■ 65.3131, 77.5112,
81.7583


■ 38.5099, 64.3681,
50.0312

■ 72.7635, 81.2370,
87.3016

 37.4586, 63.9046,
46.4365

 81.2710, 85.5030,
93.1128

 37.4585, 63.9046,
46.4363

 88.3285, 89.0166,
99.0771

 89.4508, 89.4655,
104.9870

 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.



52.2945, 69.3353, 45.7333



48.8430, 69.3353, 66.6859



49.5963, 69.3353, 96.0813

Triad

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



48.8430, 69.3353, 66.6859



72.7441, 69.3353, 139.1158



78.8332, 69.3353, 40.7962

Complementary

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



48.8430, 69.3353, 66.6859



47.7755, 33.7392, 35.0073

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.



85.4370, 69.3353, 58.0806



48.8430, 69.3353, 66.6859



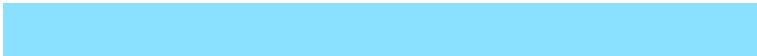
81.6843, 69.3353, 115.9791

Square

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



48.8430, 69.3353, 66.6859



62.7491, 69.3353, 143.0923



86.5297, 69.3353, 85.0462



69.1570, 69.3353, 33.4600

Rectangle

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



48.8430, 69.3353, 66.6859



52.4128, 69.3353, 116.6069



86.5297, 69.3353, 85.0462



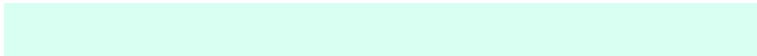
81.5253, 69.3353, 45.3972

Sweetspot

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



48.8449, 69.3381, 66.6875



80.5434, 92.7304, 98.7869



47.7495, 69.6202, 28.3754



16.8511, 19.6539, 20.8524



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.



48.8449, 69.3381, 66.6875



52.7124, 78.9340, 72.5920



47.6454, 59.3033, 89.8276



16.0318, 17.8428, 19.1904



20.9573, 35.6750, 26.2220



1.7874, 2.9854, 2.4126

Inverse Universe

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



47.7755, 33.7392, 35.0073



51.3595, 32.9100, 31.7822



48.0897, 38.5068, 22.3519



15.9696, 15.8376, 17.3963



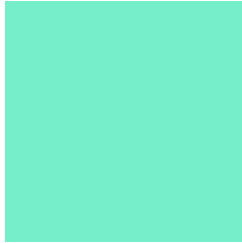
20.3742, 10.4221, 4.6213



1.7374, 0.8840, 0.6082

Previews

White Background



This preview shows how the XYZ color 48.8430, 69.3353, 66.6859 looks on a white background.

Color Contrast Check

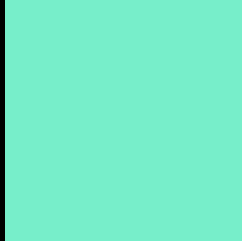
Large Text (above 18pt) WCAG AA × Fail

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 48.8430, 69.3353, 66.6859 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

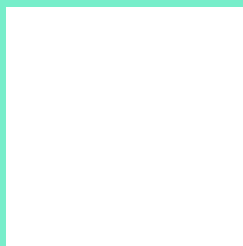
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8430, 69.3353, 66.6859

Background



This preview shows how black text looks on a background with the XYZ color 48.8430, 69.3353, 66.6859.



This preview shows how white text looks on a background with the XYZ color 48.8430, 69.3353,

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

48.8430, 69.3353, 66.6859

Protanopia

64.6460, 68.3261, 58.4962

Deuteranopia

69.5376, 68.0165, 69.1380



Tritanopia

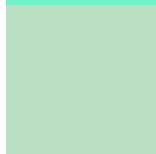
55.5041, 69.0405, 100.8433

Trichromacy



Original Color

48.8430, 69.3353, 66.6859



Protanomaly

56.3750, 67.1095, 61.0211



Deuteranomaly

58.9778, 66.7214, 68.1626



Tritanomaly

53.0329, 69.3180, 87.6754

Monochromacy



Original Color

48.8430, 69.3353, 66.6859



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.4652, 60.1470, 62.9826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8430, 69.3353, 66.6859 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(119, 238, 202)` looks like.

```
.text, #text, p{  
    color:rgb(119, 238, 202)  
}
```

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(119, 238, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 238, 202) }
```

Border

The CSS property to change the border of an element to XYZ 48.8430, 69.3353, 66.6859 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(119, 238, 202) }
```


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

```
.border{ border-color:rgb(119, 238, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 238, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 238, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 238, 202);  
box-shadow:4px 4px 4px 4px rgb(119, 238,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8430, 69.3353, 66.6859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 238, 202) }
```

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

```
.background{ background-color: rgb(119,  
238, 202) }
```

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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