

Converting Colors

XYZ(48.2983, 68.3617, 62.0505)

Have a look what the booklet for
XYZ(48.2983, 68.3617, 62.0505)
contains.

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Color

**XYZ(48.3032, 68.2910,
62.2654)**

Conversions

Conversions Part 1

Format	Color
Hex	7DECC3
RGB	125, 236, 195
RGB Percent	49%, 93%, 76%
CMY	0.5098, 0.0745, 0.2353
CMYK	0.47, 0.00, 0.17, 0.07
HSL	158°, 75%, 71%
HSV	158°, 47%, 93%
XYZ	48.3032, 68.2910, 62.2654
YIQ	198.1370, -52.9950, -36.2830

Conversions

Conversions Part 2

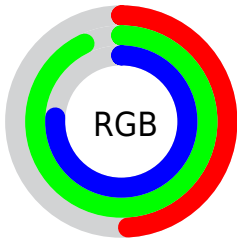
Format	Color
RYB	125, 193, 236
Decimal	8252611
CIELab	86.15, -41.30, 10.12
CIELCh	86, 42.522, 166.236
Yxy	68.2910, 0.2701, 0.3818
Android (android.graphics.Color)	4286442691 (0xFF7DECC3)
YUV	198.1370, -1.5465, -64.1411
Hunter-Lab	82.6384, -40.2816, 13.1737

Details

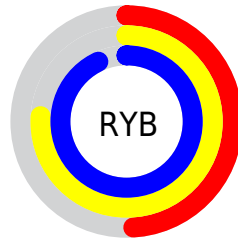
The XYZ color **48.3032, 68.2910, 62.2654** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.8109, 35.2549, 40.3112**, and the grayscale version is **53.7935, 56.5950, 61.6319**.

A 20% lighter version of the original color is **72.8591, 88.6156, 105.3599**, and **23.3757, 35.7239, 30.8627** is the 20% darker color. If you saturate the color by 10%, you get **44.3019, 66.3406, 57.0830**, and if you desaturate by 10%, it is **53.1843, 70.6918, 67.7923**.

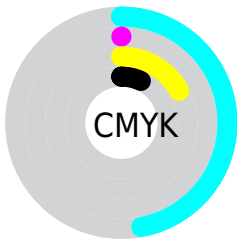
Distribution



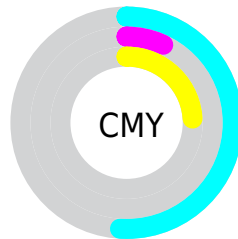
- Red (49%)
- Green (93%)
- Blue (76%)



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



- Cyan (47%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3032, 68.2910, 62.2654 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 48.3032, 68.2910, 62.2654 by changing the saturation by 10% instead.

 48.3032, 68.2910,
62.2654


 48.3032, 68.2910,
62.2654


370.5553,
454.5264, 450.9329


 34.2793, 50.1345,
44.8100


 86.8626, 116.7683,
109.6843

 23.2722, 35.5203,
30.9659

 112.1289,
147.8580, 140.4850

 14.9164, 24.0639,
20.3147


 141.8733,
184.0275, 176.5711

 8.8467, 15.3811,
12.4376

176.4612,
225.6612, 218.3612

 4.6976, 9.0873,
6.9163

216.2581,
273.1436, 266.2739

 2.1039, 4.7981,
3.3322

261.6291,

 0.6913, 2.1293,

326.8589, 320.7277

1.2666

312.9397,
387.1917, 382.1412

■ 0.0000, 0.6810,
0.0342

■ 0.0000, 0.0000,
0.0000

■ 48.3032, 68.2910,
62.2654

■ 48.3032, 68.2910,
62.2654

■ 44.3019, 66.3406,
57.0830

■ 53.1843, 70.6918,
67.7923

■ 41.1148, 64.8017,
52.2327


■ 58.9936, 73.5626,
73.6666


■ 38.6761, 63.6421,
47.7075


■ 65.7825, 76.9316,
79.8970


■ 36.9065, 62.8212,
43.4985

■ 73.5970, 80.8222,
86.4904

 35.7039, 62.2863,
39.5953

 82.4800, 85.2567,
93.4533

 35.4077, 62.1578,
38.4932

 88.0727, 87.9878,
100.5864

 89.2867, 88.4733,
106.9789

Harmonies

Analogous

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



52.2529, 68.2910, 42.9800



48.3032, 68.2910, 62.2654



48.4758, 68.2910, 90.4543

Triad

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



48.3032, 68.2910, 62.2654



70.3095, 68.2910, 138.9779



78.8041, 68.2910, 41.8502

Complementary

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



48.3032, 68.2910, 62.2654



48.8109, 35.2549, 40.3112

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.



84.6894, 68.2910, 60.2931



48.3032, 68.2910, 62.2654



79.4586, 68.2910, 118.1764

Square

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



48.3032, 68.2910, 62.2654



60.5363, 68.2910, 139.8922



84.9404, 68.2910, 87.9213



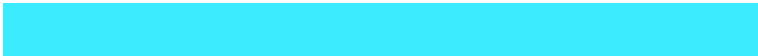
69.4864, 68.2910, 33.3553

Rectangle

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



48.3032, 68.2910, 62.2654



50.8914, 68.2910, 110.9515



84.9404, 68.2910, 87.9213



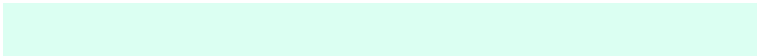
81.2887, 68.2910, 46.8495

Sweetspot

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



48.3051, 68.2937, 62.2670



81.0627, 93.0262, 97.5406



49.7520, 69.7500, 30.2439



16.9367, 19.7055, 20.5195



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.



48.3051, 68.2937, 62.2670



53.1581, 79.2541, 68.5294



50.0009, 63.2208, 88.9276



15.2680, 17.0220, 18.0939



19.5811, 34.2869, 21.5572



1.5837, 2.7108, 1.9358

Inverse Universe

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



48.8109, 35.2549, 40.3112



53.8431, 35.6073, 39.6077



47.3771, 37.4778, 24.1399



15.2955, 15.1461, 16.8415



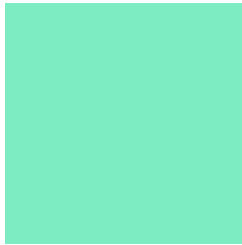
20.0772, 10.2336, 6.2080



1.6216, 0.8216, 0.7247

Previews

White Background



This preview shows how the XYZ color 48.3032, 68.2910, 62.2654 looks on a white background.

Color Contrast Check

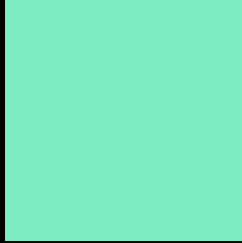
Large Text (above 18pt) WCAG AA × Fail

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 48.3032, 68.2910, 62.2654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

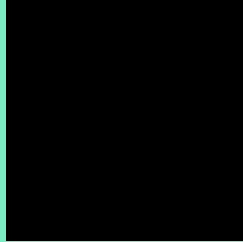
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3032, 68.2910, 62.2654

Background



This preview shows how black text looks on a background with the XYZ color 48.3032, 68.2910, 62.2654.

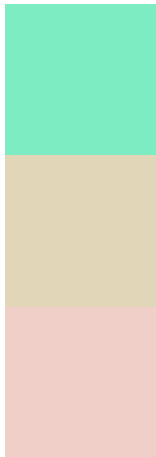


This preview shows how white text looks on a background with the XYZ color 48.3032, 68.2910,

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

48.3032, 68.2910, 62.2654

Protanopia

63.7496, 67.5614, 55.0281

Deuteranopia

68.7906, 67.3680, 64.6360



Tritanopia

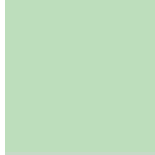
55.4553, 68.2430, 98.2451

Trichromacy



Original Color

48.3032, 68.2910, 62.2654



Protanomaly

56.1846, 66.6922, 57.4886



Deuteranomaly

58.6689, 66.2721, 63.7324



Tritanomaly

52.6917, 68.3830, 83.8209

Monochromacy



Original Color

48.3032, 68.2910, 62.2654



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.4161, 59.7761, 61.7041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3032, 68.2910, 62.2654 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(125, 236, 195)` looks like.

```
.text, #text, p{  
    color:rgb(125, 236, 195)  
}
```

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(125, 236, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 236, 195) }
```

Border

The CSS property to change the border of an element to XYZ 48.3032, 68.2910, 62.2654 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(125, 236, 195) }
```


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

```
.border{ border-color:rgb(125, 236, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 236, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 236, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 236, 195);  
box-shadow:4px 4px 4px 4px rgb(125, 236,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3032, 68.2910, 62.2654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 236, 195) }
```

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

```
.background{ background-color: rgb(125,  
236, 195) }
```

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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