

Converting Colors

XYZ(52.2261, 72.3528, 48.7490)

Have a look what the booklet for
XYZ(52.2261, 72.3528, 48.7490)
contains.

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Color

**XYZ(52.2261, 72.3528,
48.7490)**

Conversions

Conversions Part 1

Format	Color
Hex	9DF0A9
RGB	157, 240, 169
RGB Percent	62%, 94%, 66%
CMY	0.3843, 0.0588, 0.3372
CMYK	0.35, 0.00, 0.30, 0.06
HSL	129°, 73%, 78%
HSV	129°, 35%, 94%
XYZ	52.2261, 72.3528, 48.7490
YIQ	207.0890, -26.6770, -39.6770

Conversions

Conversions Part 2

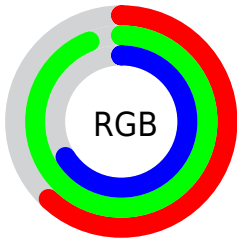
Format	Color
RYB	157, 230, 240
Decimal	10350761
CIELab	88.14, -39.34, 26.55
CIELCh	88, 47.459, 145.990
Yxy	72.3528, 0.3013, 0.4174
Android (android.graphics.Color)	4288540841 (0xFF9DF0A9)
YUV	207.0890, -18.7779, -43.9281
Hunter-Lab	85.0604, -39.2589, 25.5626

Details

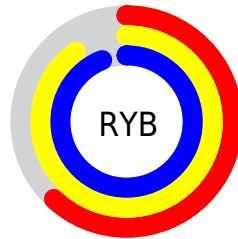
The XYZ color **52.2261, 72.3528, 48.7490** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **61.9980, 48.2421, 79.4454**, and the grayscale version is **59.4966, 62.5950, 68.1660**.

A 20% lighter version of the original color is **77.0822, 91.2524, 84.7850**, and **25.5654, 37.9527, 22.5012** is the 20% darker color. If you saturate the color by 10%, you get **46.2172, 69.4627, 39.1850**, and if you desaturate by 10%, it is **59.4612, 75.8442, 59.9533**.

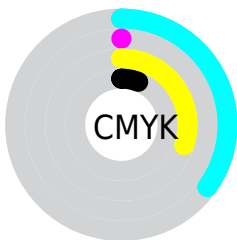
Distribution



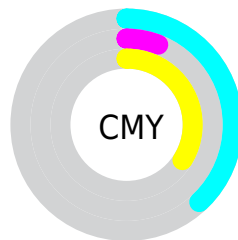
- Red (62%)
- Green (94%)
- Blue (66%)



- Red (62%)
- Yellow (90%)
- Blue (94%)



- Cyan (35%)
- Magenta (0%)
- Yellow (30%)
- Black (6%)





- Cyan (38%)
- Magenta (6%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2261, 72.3528, 48.7490 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 52.2261, 72.3528, 48.7490 by changing the saturation by 10% instead.


 52.2261, 72.3528,
48.7490


 52.2261, 72.3528,
48.7490


385.6185,
468.7686, 398.3474

 37.4103, 53.4469,
34.0562


 92.6369, 122.5580,
89.6957

 25.7005, 38.1597,
22.6591


 118.9625,
154.6261, 116.7866

 16.7312, 26.1066,
14.1390


149.8556,
191.8504, 148.8474

 10.1371, 16.9034,
8.0776

185.6813,
234.6153, 186.2966

 5.5529, 10.1657,
4.0561

226.8051,
283.3051, 229.5526

 2.6133, 5.5089,
1.6562


273.5924,

 0.9527, 2.5489,


338.3044, 279.0340


0.3305


326.4084,
399.9974, 335.1594

 0.0000, 0.9010,
0.0000


 0.0000, 0.0000,
0.0000

 52.2261, 72.3528,
48.7490


 52.2261, 72.3528,
48.7490


 46.2172, 69.4627,
39.1850

 59.4612, 75.8442,
59.9533


 41.3606, 67.1312,
31.1796

 67.9796, 79.9587,
72.8646

 37.5833, 65.3245,
24.6517

 77.8418, 84.7280,
87.5520

 34.8013, 64.0012,
19.5106

 89.1027, 90.1790,
104.0791

■ 32.9181, 63.1137,
15.6558

■ 90.4515, 90.8030,
107.3672

■ 31.8170, 62.6043,
12.9731

■ 31.4604, 62.4425,
11.9614

Harmonies

Analogous

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



59.6466, 72.3528, 34.9118



52.2261, 72.3528, 48.7490



49.2240, 72.3528, 74.4911

Triad

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



52.2261, 72.3528, 48.7490



67.2549, 72.3528, 158.9734



90.2987, 72.3528, 54.4533

Complementary

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



52.2261, 72.3528, 48.7490



61.9980, 48.2421, 79.4454

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.



92.9043, 72.3528, 83.2302



52.2261, 72.3528, 48.7490



78.7774, 72.3528, 149.3313

Square

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



52.2261, 72.3528, 48.7490



57.2756, 72.3528, 142.7390



88.4817, 72.3528, 119.1432



81.7059, 72.3528, 37.5135

Rectangle

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



52.2261, 72.3528, 48.7490



49.8592, 72.3528, 97.2715



88.4817, 72.3528, 119.1432



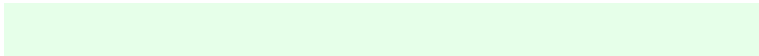
91.9417, 72.3528, 62.7942

Sweetspot

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



52.2280, 72.3558, 48.7506



82.9676, 94.1543, 91.0316



69.5406, 81.4051, 43.9464



17.4225, 19.9904, 18.9831



0.0000, 0.0000, 0.0000



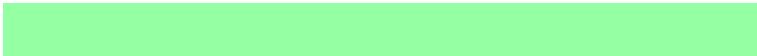
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.2280, 72.3558, 48.7506



54.6001, 80.4647, 47.4850



56.6457, 74.1229, 72.0139



15.6590, 17.6936, 17.2272



17.2501, 34.1921, 6.7001



1.4635, 2.8558, 0.7070

Inverse Universe

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



61.9980, 48.2421, 79.4454



67.4704, 48.6709, 87.8991



57.0103, 46.2470, 53.1805



16.3503, 15.9898, 19.4007



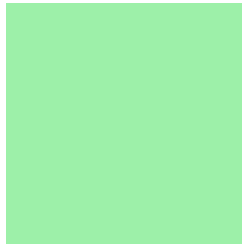
25.7619, 12.5772, 32.9924



2.1698, 1.0569, 2.8847

Previews

White Background



This preview shows how the XYZ color 52.2261, 72.3528, 48.7490 looks on a white background.

Color Contrast Check

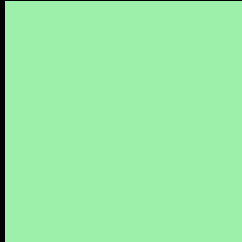
Large Text (above 18pt) WCAG AA × Fail

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 52.2261, 72.3528, 48.7490 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

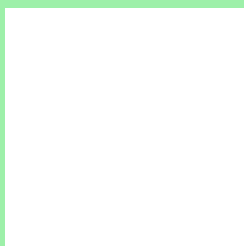
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.2261, 72.3528, 48.7490

Background



This preview shows how black text looks on a background with the XYZ color 52.2261, 72.3528, 48.7490.



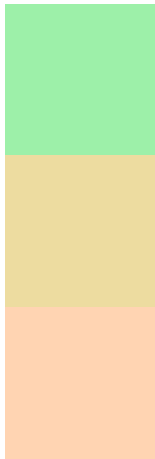
This preview shows how white text looks on a background with the XYZ color 52.2261, 72.3528,

48.7490.

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

52.2261, 72.3528, 48.7490

Protanopia

66.8634, 71.7290, 43.5787

Deuteranopia

72.8194, 71.5613, 52.0942



Tritanopia

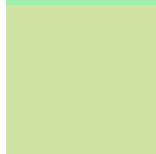
62.4737, 72.2552, 99.4609

Trichromacy



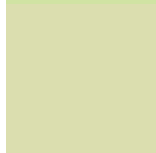
Original Color

52.2261, 72.3528, 48.7490



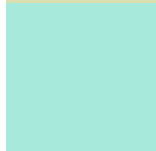
Protanomaly

60.0924, 70.9924, 45.1860



Deuteranomaly

63.0726, 70.3978, 50.8213



Tritanomaly

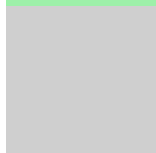
58.1454, 72.1756, 77.8845

Monochromacy



Original Color

52.2261, 72.3528, 48.7490



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.9434, 65.3321, 60.1139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2261, 72.3528, 48.7490 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(157, 240, 169)` looks like.

```
.text, #text, p{  
    color:rgb(157, 240, 169)  
}
```

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(157, 240, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 240, 169) }
```

Border

The CSS property to change the border of an element to XYZ 52.2261, 72.3528, 48.7490 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(157, 240, 169) }
```


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

```
.border{ border-color:rgb(157, 240, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 240, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 240, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 240, 169);  
box-shadow:4px 4px 4px 4px rgb(157, 240,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2261, 72.3528, 48.7490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 240, 169) }
```

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

```
.background{ background-color: rgb(157,  
240, 169) }
```

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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