

Converting Colors

XYZ(52.5857, 70.9988, 62.2446)

Have a look what the booklet for
XYZ(52.5857, 70.9988, 62.2446)
contains.

XYZ(52.4162, 70.8530, 61.9523)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.4162, 70.8530,
61.9523)**

Conversions

Conversions Part 1

Format	Color
Hex	95EDC2
RGB	149, 237, 194
RGB Percent	58%, 93%, 76%
CMY	0.4157, 0.0706, 0.2392
CMYK	0.37, 0.00, 0.18, 0.07
HSL	151°, 71%, 76%
HSV	151°, 37%, 93%
XYZ	52.4162, 70.8530, 61.9523
YIQ	205.7860, -38.6450, -32.0290

Conversions

Conversions Part 2

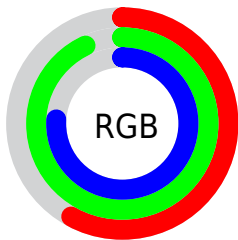
Format	Color
RYB	149, 207, 237
Decimal	9825730
CIELab	87.41, -35.72, 12.57
CIELCh	87, 37.869, 160.612
Yxy	70.8530, 0.2830, 0.3825
Android (android.graphics.Color)	4288015810 (0xFF95EDC2)
YUV	205.7860, -5.8105, -49.8013
Hunter-Lab	84.1742, -36.1510, 15.2845

Details

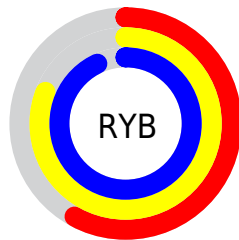
The XYZ color **52.4162, 70.8530, 61.9523** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.1893, 43.3068, 55.3222**, and the grayscale version is **58.5846, 61.6355, 67.1211**.

A 20% lighter version of the original color is **78.6262, 91.6068, 104.8046**, and **25.8736, 37.3209, 30.6509** is the 20% darker color. If you saturate the color by 10%, you get **47.2741, 68.3485, 55.1852**, and if you desaturate by 10%, it is **58.5434, 73.8574, 69.2977**.

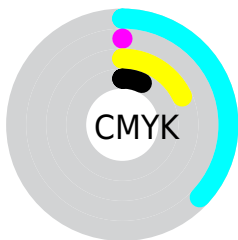
Distribution



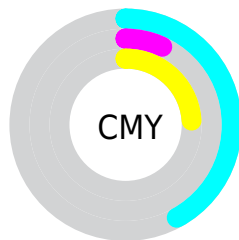
- Red (58%)
- Green (93%)
- Blue (76%)



- Red (58%)
- Yellow (81%)
- Blue (93%)



- Cyan (37%)
- Magenta (0%)
- Yellow (18%)
- Black (7%)



- Cyan (42%)
- Magenta (7%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4162, 70.8530, 61.9523 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 52.4162, 70.8530, 61.9523 by changing the saturation by 10% instead.


 52.4162, 70.8530,
61.9523


 52.4162, 70.8530,
61.9523


386.3389,
463.5394, 449.7599

 37.5625, 52.2222,
44.5586

 92.9154, 120.4244,
109.2275

 25.8190, 37.1823,
30.7695


 119.2916,
152.1338, 139.9461

 16.8203, 25.3486,
20.1664


150.2393,
188.9716, 175.9435

 10.2009, 16.3370,
12.3308

186.1240,
231.3221, 217.6381

 5.5957, 9.7629,
6.8441

227.3109,
279.5697, 265.4485

 2.6391, 5.2421,
3.2878


274.1655,

 0.9659, 2.3900,


334.0989, 319.7932


1.2434


327.0530,
395.2940, 381.0909


 0.0000, 0.8207,
0.0147


 0.0000, 0.0000,
0.0000

 52.4162, 70.8530,
61.9523


 52.4162, 70.8530,
61.9523


 47.2741, 68.3485,
55.1852


 58.5434, 73.8574,
69.2977


 43.0553, 66.3067,
48.9771

 65.7012, 77.3792,
77.2307

 39.6997, 64.6987,
43.3141

 73.9394, 81.4458,
85.7664

 37.1373, 63.4887,
38.1802

 83.3025, 86.0798,
94.9176

■ 35.2864, 62.6349,
33.5581

■ 89.0817, 88.8535,
104.4747

■ 34.0413, 62.0832,
29.4288

■ 89.5755, 89.0510,
107.0752

■ 33.7485, 61.9562,
28.3309

Harmonies

Analogous

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



56.7778, 70.8530, 45.5243



52.4162, 70.8530, 61.9523



51.8431, 70.8530, 86.5575

Triad

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



52.4162, 70.8530, 61.9523



70.5540, 70.8530, 136.2492



81.2316, 70.8530, 49.3700

Complementary

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



52.4162, 70.8530, 61.9523



55.1893, 43.3068, 55.3222

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.



85.6616, 70.8530, 68.4443



52.4162, 70.8530, 61.9523



79.1451, 70.8530, 120.8024

Square

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



52.4162, 70.8530, 61.9523



61.8050, 70.8530, 133.4243



84.8660, 70.8530, 94.6425



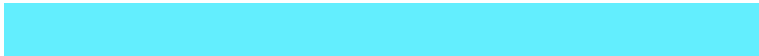
73.2036, 70.8530, 39.4483

Rectangle

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



52.4162, 70.8530, 61.9523



53.6257, 70.8530, 104.9822



84.8660, 70.8530, 94.6425



83.2217, 70.8530, 54.7258

Sweetspot

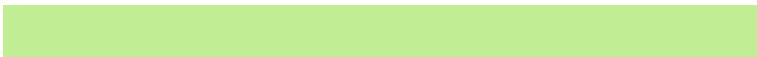
The Sweet Spot groups the original color and five complimentary colors.



52.4181, 70.8559, 61.9539



83.3438, 94.2112, 97.2409



57.7037, 74.0789, 39.6920



17.5541, 20.0244, 20.5191



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.



52.4181, 70.8559, 61.9539



56.9177, 81.2373, 66.6690



57.9670, 73.0755, 91.1741



15.1898, 16.9907, 17.6824



18.4912, 33.8510, 15.8178



1.5006, 2.6776, 1.4980

Inverse Universe

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



55.1893, 43.3068, 55.3222



60.6553, 44.0896, 57.7307



51.0993, 41.6708, 33.7847



15.3722, 15.1767, 17.2454



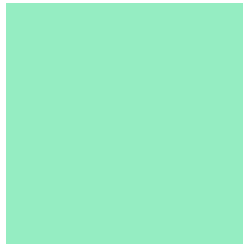
20.8488, 10.5422, 10.2710



1.6856, 0.8472, 1.0618

Previews

White Background



This preview shows how the XYZ color 52.4162, 70.8530, 61.9523 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 52.4162, 70.8530, 61.9523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

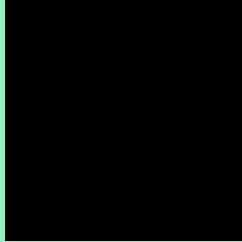
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.4162, 70.8530, 61.9523

Background



This preview shows how black text looks on a background with the XYZ color 52.4162, 70.8530, 61.9523.



This preview shows how white text looks on a background with the XYZ color 52.4162, 70.8530, 61.9523.

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

52.4162, 70.8530, 61.9523

Protanopia

66.0977, 69.9094, 55.3575

Deuteranopia

71.4780, 69.8561, 64.3599



Tritanopia

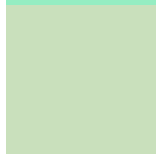
59.9380, 70.9480, 99.3422

Trichromacy



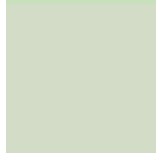
Original Color

52.4162, 70.8530, 61.9523



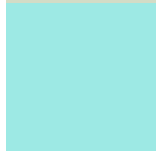
Protanomaly

59.8201, 69.3597, 57.8118



Deuteranomaly

62.6502, 69.1125, 63.4641



Tritanomaly

57.0471, 71.0474, 84.1056

Monochromacy



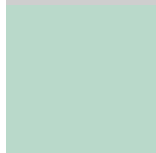
Original Color

52.4162, 70.8530, 61.9523



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

55.4811, 64.2043, 65.3456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4162, 70.8530, 61.9523 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(149, 237, 194)` looks like.

```
.text, #text, p{  
    color:rgb(149, 237, 194)  
}
```

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(149, 237, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 237, 194) }
```

Border

The CSS property to change the border of an element to XYZ 52.4162, 70.8530, 61.9523 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(149, 237, 194) }
```


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

```
.border{ border-color:rgb(149, 237, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 237, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 237, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 237, 194);  
box-shadow:4px 4px 4px 4px rgb(149, 237,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4162, 70.8530, 61.9523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 237, 194) }
```

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

```
.background{ background-color: rgb(149,  
237, 194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor