

Converting Colors

XYZ(52.3799, 68.4534, 60.7045)

Have a look what the booklet for
XYZ(52.3799, 68.4534, 60.7045)
contains.

XYZ(52.3021, 68.2712, 60.8731)	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(52.3021, 68.2712,
60.8731)**

Conversions

Conversions Part 1

Format	Color
Hex	9EE7C1
RGB	158, 231, 193
RGB Percent	62%, 91%, 76%
CMY	0.3804, 0.0941, 0.2431
CMYK	0.32, 0.00, 0.16, 0.09
HSL	149°, 60%, 76%
HSV	149°, 32%, 91%
XYZ	52.3021, 68.2712, 60.8731
YIQ	204.8410, -31.3100, -27.2940

Conversions

Conversions Part 2

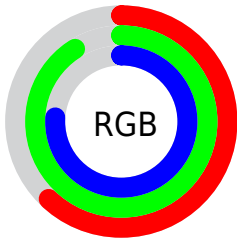
Format	Color
RYB	158, 207, 231
Decimal	10414017
CIELab	86.14, -30.54, 11.35
CIELCh	86, 32.577, 159.617
Yxy	68.2712, 0.2883, 0.3763
Android (android.graphics.Color)	4288604097 (0xFF9EE7C1)
YUV	204.8410, -5.8376, -41.0796
Hunter-Lab	82.6264, -31.6066, 14.1579

Details

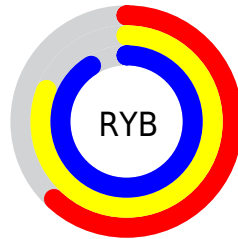
The XYZ color **52.3021, 68.2712, 60.8731** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.1480, 45.4298, 58.0896**, and the grayscale version is **57.9790, 60.9984, 66.4272**.

A 20% lighter version of the original color is **80.5904, 92.6557, 103.2593**, and **25.6991, 35.4671, 29.9174** is the 20% darker color. If you saturate the color by 10%, you get **46.8911, 65.6323, 53.9003**, and if you desaturate by 10%, it is **58.6800, 71.3996, 68.4635**.

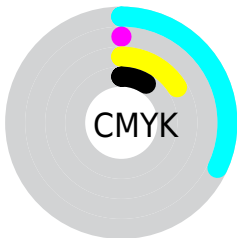
Distribution



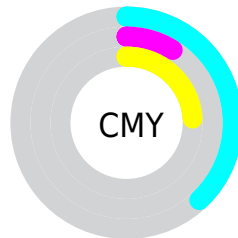
- Red (62%)
- Green (91%)
- Blue (76%)



- Red (62%)
- Yellow (81%)
- Blue (91%)



- Cyan (32%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)





- Cyan (38%)
- Magenta (9%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3021, 68.2712, 60.8731 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 52.3021, 68.2712, 60.8731 by changing the saturation by 10% instead.


 52.3021, 68.2712,
60.8731


 52.3021, 68.2712,
60.8731


385.9066,
454.4563, 445.7022

 37.4712, 50.1184,
43.6929


 92.7482, 116.7400,
107.6509

 25.7479, 35.5075,
30.0937


 119.0941,
147.8249, 138.0856

 16.7668, 24.0541,
19.6571


150.0090,
183.9891, 173.7755

 10.1626, 15.3737,
11.9644

185.8583,
225.6173, 215.1391

 5.5700, 9.0821,
6.5972

227.0074,
273.0937, 262.5951

 2.6236, 4.7948,
3.1369

273.8216,

 0.9580, 2.1274,

326.8027, 316.5619

1.1650

326.6662,
387.1288, 377.4581

■ 0.0000, 0.6799,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.3021, 68.2712,
60.8731

■ 52.3021, 68.2712,
60.8731

■ 46.8911, 65.6323,
53.9003

■ 58.6800, 71.3996,
68.4635

■ 42.3908, 63.4488,
47.5247

■ 66.0659, 75.0329,
76.6822

■ 38.7478, 61.6952,
41.7313

■ 74.5052, 79.1961,
85.5453

■ 35.9003, 60.3401,
36.5025

■ 84.0390, 83.9101,
95.0668

■ 33.7776, 59.3472,
31.8200

■ 87.5673, 85.5144,
104.9265

■ 32.2956, 58.6737,
27.6639

■ 87.8672, 85.6344,
106.5057

■ 31.4328, 58.2966,
24.5629

Harmonies

Analogous

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



56.1313, 68.2712, 46.8705



52.3021, 68.2712, 60.8731



51.6986, 68.2712, 81.4425

Triad

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



52.3021, 68.2712, 60.8731



67.3259, 68.2712, 122.8788



76.6304, 68.2712, 51.0115

Complementary

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



52.3021, 68.2712, 60.8731



55.1480, 45.4298, 58.0896

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.



80.1531, 68.2712, 67.6549



52.3021, 68.2712, 60.8731



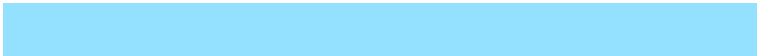
74.5149, 68.2712, 110.8579

Square

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



52.3021, 68.2712, 60.8731



60.0008, 68.2712, 120.0991



79.3505, 68.2712, 89.6499



70.0372, 68.2712, 41.9835

Rectangle

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



52.3021, 68.2712, 60.8731



53.1554, 68.2712, 96.6435



79.3505, 68.2712, 89.6499



78.2351, 68.2712, 55.7555

Sweetspot

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



52.3040, 68.2740, 60.8746



85.2406, 95.1584, 98.7107



57.7583, 71.4848, 43.1024



17.9277, 20.2114, 20.7890



0.0000, 0.0000, 0.0000



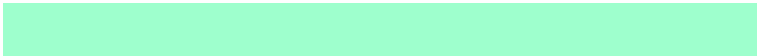
20.3446, 21.4041, 23.3091

Same Dimension

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



52.3040, 68.2740, 60.8746



60.8463, 83.1857, 70.3272



56.7612, 70.0569, 84.3459



14.4757, 16.2037, 16.7697



17.6829, 32.7052, 14.0962



1.3534, 2.4355, 1.2877

Inverse Universe

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



55.1480, 45.4298, 58.0896



64.9360, 50.3287, 66.3172



51.5670, 43.9974, 39.2322



14.6888, 14.4927, 16.5614



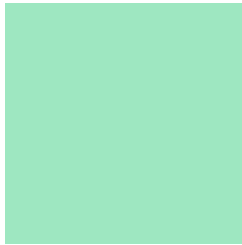
20.4473, 10.3132, 11.2506



1.5579, 0.7809, 1.0784

Previews

White Background



This preview shows how the XYZ color 52.3021, 68.2712, 60.8731 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 52.3021, 68.2712, 60.8731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

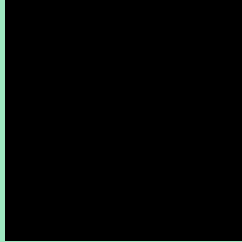
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.3021, 68.2712, 60.8731

Background



This preview shows how black text looks on a background with the XYZ color 52.3021, 68.2712, 60.8731.



This preview shows how white text looks on a background with the XYZ color 52.3021, 68.2712, 60.8731.

60.8731.

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

52.3021, 68.2712, 60.8731

Protanopia

63.7496, 67.5614, 55.0281

Deuteranopia

68.7815, 67.4036, 62.8111



Tritanopia

58.8311, 68.0469, 94.0380

Trichromacy



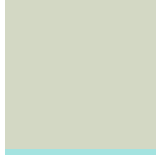
Original Color

52.3021, 68.2712, 60.8731



Protanomaly

58.6502, 67.1918, 56.8918



Deuteranomaly

61.3836, 66.9461, 61.9112



Tritanomaly

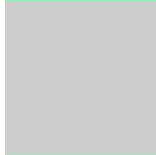
56.2335, 68.2125, 80.7235

Monochromacy



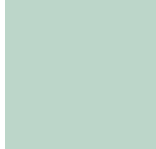
Original Color

52.3021, 68.2712, 60.8731



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

55.3282, 63.0015, 64.5027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3021, 68.2712, 60.8731 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(158, 231, 193)` looks like.

```
.text, #text, p{  
    color:rgb(158, 231, 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(158, 231, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 231, 193) }
```

Border

The CSS property to change the border of an element to XYZ 52.3021, 68.2712, 60.8731 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(158, 231, 193) }
```


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

```
.border{ border-color:rgb(158, 231, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 231, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 231, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 231, 193);  
box-shadow:4px 4px 4px 4px rgb(158, 231,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3021, 68.2712, 60.8731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 231, 193) }
```

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

```
.background{ background-color: rgb(158,  
231, 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](#).

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