

Converting Colors

XYZ(51.4237, 72.7411, 32.4511)

Have a look what the booklet for
XYZ(51.4237, 72.7411, 32.4511)
contains.

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Color

**XYZ(51.4209, 72.7378,
32.4487)**

Conversions

Conversions Part 1

Format	Color
Hex	A7F182
RGB	167, 241, 130
RGB Percent	65%, 95%, 51%
CMY	0.3451, 0.0549, 0.4902
CMYK	0.31, 0.00, 0.46, 0.05
HSL	100°, 80%, 73%
HSV	100°, 46%, 95%
XYZ	51.4209, 72.7378, 32.4487
YIQ	206.2200, -8.4730, -50.2090

Conversions

Conversions Part 2

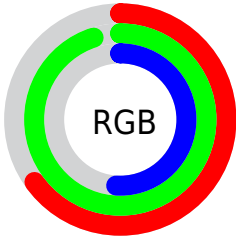
Format	Color
RYB	130, 241, 204
Decimal	11006338
CIELab	88.32, -42.25, 46.28
CIELCh	88, 62.663, 132.397
Yxy	72.7378, 0.3283, 0.4645
Android (android.graphics.Color)	4289196418 (0xFFA7F182)
YUV	206.2200, -37.5765, -34.3959
Hunter-Lab	85.2865, -41.6301, 37.1426

Details

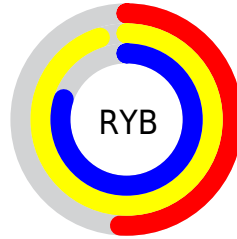
The XYZ color **51.4209, 72.7378, 32.4487** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.7650, 35.1557, 87.4386**, and the grayscale version is **59.0460, 62.1209, 67.6497**.

A 20% lighter version of the original color is **75.2574, 90.8701, 59.4721**, and **25.0712, 38.2105, 13.2617** is the 20% darker color. If you saturate the color by 10%, you get **46.8032, 70.5251, 24.7550**, and if you desaturate by 10%, it is **56.8428, 75.3258, 42.1605**.

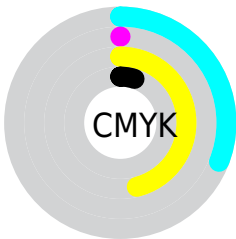
Distribution



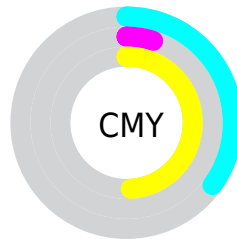
- Red (65%)
- Green (95%)
- Blue (51%)



- Red (51%)
- Yellow (95%)
- Blue (80%)



- Cyan (31%)
- Magenta (0%)
- Yellow (46%)
- Black (5%)





- Cyan (35%)
- Magenta (5%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4209, 72.7378, 32.4487 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 51.4209, 72.7378, 32.4487 by changing the saturation by 10% instead.


 51.4209, 72.7378,
32.4487

 51.4209, 72.7378,
32.4487


382.5576,
470.1056, 327.7137


 36.7661, 53.7616,
21.4368


 91.4559, 123.1049,
64.6199

 25.1993, 38.4111,
13.2493


 117.5669,
155.2646, 86.6163

 16.3551, 26.3019,
7.4677


 148.2272,
192.5876, 113.1113

 9.8682, 17.0496,
3.6734

183.8023,
235.4582, 144.5233

 5.3733, 10.2699,
1.4480

224.6576,
284.2610, 181.2711

 2.5049, 5.5783,
0.1787

271.1583,

 0.8977, 2.5904,

339.3802, 223.7730

0.0000

323.6699,
401.2002, 272.4477

0.0000, 0.9218,
0.0000

0.0000, 0.0000,
0.0000

51.4209, 72.7378,
32.4487

51.4209, 72.7378,
32.4487

46.8032, 70.5251,
24.7550

56.8428, 75.3258,
42.1605

42.9422, 68.6595,
18.9325


63.1024, 78.2969,
54.0139


39.7929, 67.1237,
14.8221


70.2377, 81.6702,
68.1284


37.3023, 65.8944,
12.2362

78.2826, 85.4610,
84.6129

 35.4078, 64.9444,
10.9422

 87.2690, 89.6834,
103.5697

 34.7928, 64.6334,
10.6417

 90.7468, 91.3936,
107.4656

Harmonies

Analogous

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



63.1140, 72.7378, 22.7424



51.4209, 72.7378, 32.4487



45.0831, 72.7378, 56.7109

Triad

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



51.4209, 72.7378, 32.4487



60.7575, 72.7378, 187.1982



101.3802, 72.7378, 62.7248

Complementary

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



51.4209, 72.7378, 32.4487



48.7650, 35.1557, 87.4386

Split Complementary

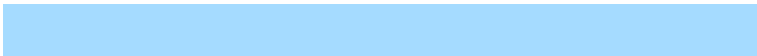
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.5057, 72.7378, 106.9623



51.4209, 72.7378, 32.4487



75.5274, 72.7378, 190.6727

Square

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



51.4209, 72.7378, 32.4487



49.9119, 72.7378, 149.1480



90.5115, 72.7378, 157.4038



92.7514, 72.7378, 35.4709

Rectangle

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



51.4209, 72.7378, 32.4487



44.0918, 72.7378, 82.7114



90.5115, 72.7378, 157.4038



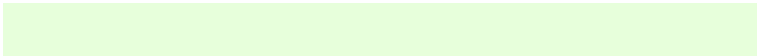
102.2197, 72.7378, 75.7876

Sweetspot

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



51.4227, 72.7409, 32.4503



81.6050, 93.6723, 81.0046



61.9008, 63.5013, 30.1146



17.0629, 19.8592, 16.5219



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.



51.4227, 72.7409, 32.4503



53.6382, 80.3807, 28.8323



46.0484, 69.8138, 39.2747



16.0623, 17.9123, 16.7606



18.9940, 35.1133, 5.7765



1.6817, 2.9735, 0.4853

Inverse Universe

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



48.7650, 35.1557, 87.4386



50.2362, 32.8713, 98.3048



57.5130, 39.9688, 74.1460



15.9126, 15.7522, 19.9234



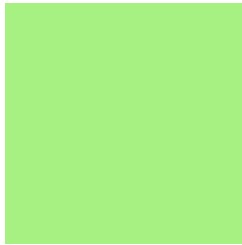
16.6934, 7.6112, 45.7171



1.4937, 0.6873, 3.8081

Previews

White Background



This preview shows how the XYZ color 51.4209, 72.7378, 32.4487 looks on a white background.

Color Contrast Check

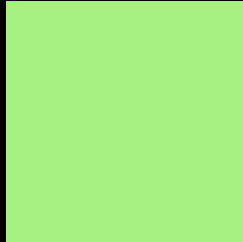
Large Text (above 18pt) WCAG AA × Fail

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 51.4209, 72.7378, 32.4487 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

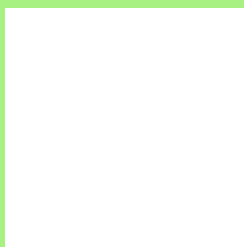
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4209, 72.7378, 32.4487

Background



This preview shows how black text looks on a background with the XYZ color 51.4209, 72.7378, 32.4487.

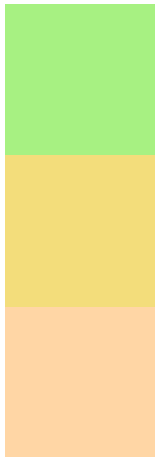


This preview shows how white text looks on a background with the XYZ color 51.4209, 72.7378,

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

51.4209, 72.7378, 32.4487

Protanopia

66.3938, 72.1976, 29.1751

Deuteranopia

72.0781, 72.0697, 45.7092



Tritanopia

64.6277, 72.5797, 97.7918

Trichromacy



Original Color

51.4209, 72.7378, 32.4487



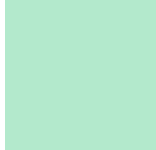
Protanomaly

59.5336, 71.4402, 30.3903



Deuteranomaly

62.7546, 71.2663, 40.1540



Tritanomaly

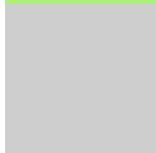
58.6284, 72.2212, 67.9768

Monochromacy



Original Color

51.4209, 72.7378, 32.4487



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

55.1056, 65.0839, 51.7775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4209, 72.7378, 32.4487 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(167, 241, 130)` looks like.

```
.text, #text, p{  
    color:rgb(167, 241, 130)  
}
```

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(167, 241, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 241, 130) }
```

Border

The CSS property to change the border of an element to XYZ 51.4209, 72.7378, 32.4487 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(167, 241, 130) }
```


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

```
.border{ border-color:rgb(167, 241, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 241, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 241, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 241, 130);  
box-shadow:4px 4px 4px 4px rgb(167, 241,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4209, 72.7378, 32.4487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 241, 130) }
```

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

```
.background{ background-color: rgb(167,  
241, 130) }
```

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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