

# Converting Colors

XYZ(52.6690, 71.5731, 35.4269)

Have a look what the booklet for  
XYZ(52.6690, 71.5731, 35.4269)  
contains.

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# Color

**XYZ(52.6236, 71.5464,  
35.4624)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFED8B
RGB	175, 237, 139
RGB Percent	69%, 93%, 55%
CMY	0.3137, 0.0706, 0.4549
CMYK	0.26, 0.00, 0.41, 0.07
HSL	98°, 73%, 74%
HSV	98°, 41%, 93%
XYZ	52.6236, 71.5464, 35.4624
YIQ	207.2900, -5.4940, -43.6220

# Conversions

## Conversions Part 2

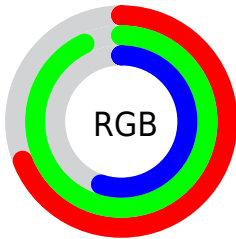
Format	Color
<a href="#">RYB</a>	<a href="#">139, 237, 201</a>
Decimal	<a href="#">11529611</a>
CIELab	<a href="#">87.75, -36.63, 41.27</a>
CIELCh	<a href="#">88, 55.185, 131.589</a>
Yxy	<a href="#">71.5464, 0.3297, 0.4482</a>
Android (android.graphics.Color)	<a href="#">4289719691</a> ( <a href="#">0xFFAFED8B</a> )
YUV	<a href="#">207.2900, -33.6670, -28.3183</a>
Hunter-Lab	<a href="#">84.5851, -36.9723, 34.3522</a>

# Details

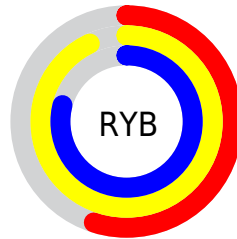
The XYZ color **52.6236, 71.5464, 35.4624** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.6092, 36.9993, 84.7042**, and the grayscale version is **59.7097, 62.8193, 68.4102**.

A 20% lighter version of the original color is **78.7763, 92.5708, 64.7549**, and **25.9899, 37.7289, 14.9294** is the 20% darker color. If you saturate the color by 10%, you get **47.8959, 69.2902, 27.1610**, and if you desaturate by 10%, it is **58.1040, 74.1516, 45.7614**.

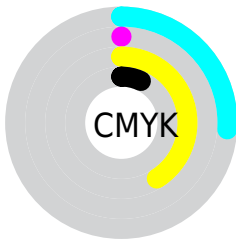
# Distribution



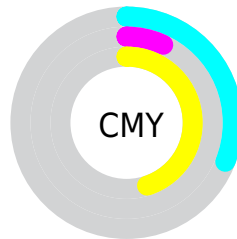
- Red (69%)
- Green (93%)
- Blue (55%)



- Red (55%)
- Yellow (93%)
- Blue (79%)



- Cyan (26%)
- Magenta (0%)
- Yellow (41%)
- Black (7%)




- Cyan (31%)
- Magenta (7%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6236, 71.5464, 35.4624 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 52.6236, 71.5464, 35.4624 by changing the saturation by 10% instead.





 52.6236, 71.5464,  
35.4624


 52.6236, 71.5464,  
35.4624


387.1239,  
465.9612, 341.5707


 37.7286, 52.7882,  
23.7329


 93.2191, 121.4114,  
69.3612

 25.9484, 37.6337,  
14.9252


 119.6503,  
153.2870, 92.3675

 16.9175, 25.6985,  
8.6209


 150.6576,  
190.3039, 119.9698

 10.2706, 16.5983,  
4.4013

186.6065,  
232.8465, 152.5867

 5.6424, 9.9485,  
1.8480

227.8622,  
281.2991, 190.6367

 2.6675, 5.3648,  
0.4593

274.7901,

 0.9805, 2.4629,

336.0462, 234.5384

0.0000

327.7555,  
397.4721, 284.7102

0.0000, 0.8580,  
0.0000

0.0000, 0.0000,  
0.0000

52.6236, 71.5464,  
35.4624

52.6236, 71.5464,  
35.4624

47.8959, 69.2902,  
27.1610

58.1040, 74.1516,  
45.7614

43.8790, 67.3578,  
20.7229


64.3658, 77.1115,  
58.1713


40.5344, 65.7345,  
16.0047


71.4423, 80.4430,  
72.8026

37.8170, 64.4009,  
12.8402

79.3634, 84.1594,  
89.7565

 35.6748, 63.3344,  
11.0299

 87.7511, 88.1107,  
106.9898

 34.2213, 62.6002,  
10.2794

 89.5757, 89.0513,  
107.0752

# Harmonies

## Analogous

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



63.0699, 71.5464, 26.4675



52.6236, 71.5464, 35.4624



46.8040, 71.5464, 57.2769

# Triad

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



52.6236, 71.5464, 35.4624



60.3574, 71.5464, 168.2881



95.7658, 71.5464, 64.2975

# Complementary

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



52.6236, 71.5464, 35.4624



48.6092, 36.9993, 84.7042

# Split Complementary

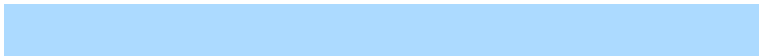
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.7949, 71.5464, 102.9644



52.6236, 71.5464, 35.4624



73.1863, 71.5464, 172.0267

# Square

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



52.6236, 71.5464, 35.4624



50.8580, 71.5464, 136.2286



86.1194, 71.5464, 145.2266



88.6231, 71.5464, 39.1754



# Rectangle

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



52.6236, 71.5464, 35.4624



45.8141, 71.5464, 79.9177



86.1194, 71.5464, 145.2266



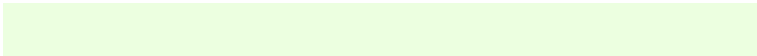
96.3998, 71.5464, 75.9202

# Sweetspot

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



52.6254, 71.5495, 35.4640



83.7415, 94.6948, 84.6701



60.1114, 60.9180, 33.0173



17.6795, 20.1536, 17.6104



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

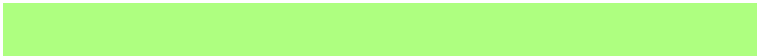


# Same Dimension

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



52.6254, 71.5495, 35.4640



57.1532, 82.1023, 33.0850



46.4738, 68.2766, 39.7680



15.3908, 17.1315, 16.0142



18.8148, 34.2439, 5.6181



1.5801, 2.7419, 0.4460



# Inverse Universe

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



48.6092, 36.9993, 84.7042



51.7636, 35.9624, 98.8209



57.8285, 41.9389, 76.6907



15.1473, 15.0212, 19.0233



15.3565, 6.9525, 44.2756

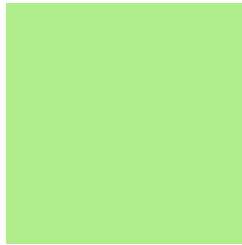


1.3111, 0.6002, 3.4816



# Previews

## White Background



This preview shows how the XYZ color 52.6236, 71.5464, 35.4624 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 52.6236, 71.5464, 35.4624 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 52.6236, 71.5464, 35.4624

## Background



This preview shows how black text looks on a background with the XYZ color 52.6236, 71.5464, 35.4624.



This preview shows how white text looks on a background with the XYZ color 52.6236, 71.5464,

35.4624.

# 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

52.6236, 71.5464, 35.4624

### Protanopia

65.4316, 70.8542, 32.0574

### Deuteranopia

71.3943, 70.9913, 44.5901



## Tritanopia

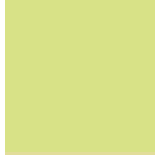
64.5887, 71.3979, 95.1710

# Trichromacy



## Original Color

52.6236, 71.5464, 35.4624



## Protanomaly

59.8884, 70.7409, 33.4196



## Deuteranomaly

63.0532, 70.2147, 40.8014



## Tritanomaly

59.0463, 70.7607, 68.3037

# Monochromacy



## Original Color

52.6236, 71.5464, 35.4624



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

56.0206, 65.1223, 53.8732

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6236, 71.5464, 35.4624 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(175, 237, 139)` looks like.

```
.text, #text, p{  
    color:rgb(175, 237, 139)  
}
```

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(175, 237, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 237, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6236, 71.5464, 35.4624 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(175, 237, 139) }
```



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

```
.border{ border-color:rgb(175, 237, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 237, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 237, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 237, 139); box-shadow:4px 4px 4px 4px rgb(175, 237, 139) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6236, 71.5464, 35.4624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 237, 139) }
```

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

```
.background{ background-color: rgb(175,  
237, 139) }
```

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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