

# Converting Colors

XYZ(52.0991, 79.5515, 30.3784)

Have a look what the booklet for  
XYZ(52.0991, 79.5515, 30.3784)  
contains.

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# Color

**XYZ(52.0991, 79.5515,  
30.3784)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98FF78
RGB	152, 255, 120
RGB Percent	60%, 100%, 47%
CMY	0.4039, 0.0000, 0.5294
CMYK	0.40, 0.00, 0.53, 0.00
HSL	106°, 100%, 74%
HSV	106°, 53%, 100%
XYZ	52.0991, 79.5515, 30.3784
YIQ	208.8130, -18.0530, -63.8210

# Conversions

## Conversions Part 2

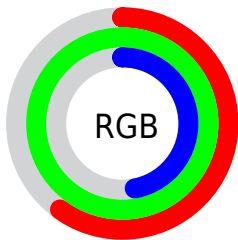
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">120, 255, 223</a>
Decimal	<a href="#">10026872</a>
CIELab	<a href="#">91.48, -54.09, 54.63</a>
CIELCh	<a href="#">91, 76.878, 134.717</a>
Yxy	<a href="#">79.5515, 0.3215, 0.4910</a>
Android (android.graphics.Color)	<a href="#">4288216952 (0xFF98FF78)</a>
YUV	<a href="#">208.8130, -43.7848, -49.8250</a>
Hunter-Lab	<a href="#">89.1916, -51.8190, 42.2402</a>

# Details

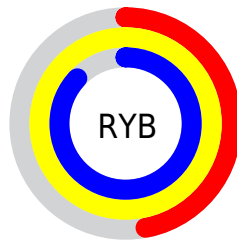
The XYZ color **52.0991, 79.5515, 30.3784** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **55.1994, 36.3424, 98.7132**, and the grayscale version is **60.7671, 63.9318, 69.6217**.

A 20% lighter version of the original color is **70.3618, 88.4640, 53.9242**, and **25.4638, 42.6530, 12.0450** is the 20% darker color. If you saturate the color by 10%, you get **47.4042, 77.2868, 23.1280**, and if you desaturate by 10%, it is **57.8040, 82.2892, 39.8290**.

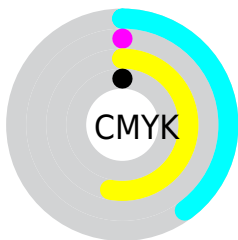
# Distribution



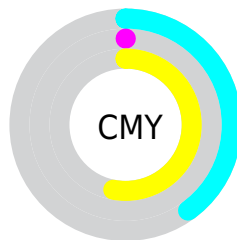
- Red (60%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (87%)



- Cyan (40%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0991, 79.5515, 30.3784 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 52.0991, 79.5515, 30.3784 by changing the saturation by 10% instead.




 52.0991, 79.5515,  
30.3784


 52.0991, 79.5515,  
30.3784


385.1367,  
493.4201, 317.9263


 37.3087, 59.3494,  
19.8715


 92.4507, 132.7350,  
61.3281

 25.6213, 42.8944,  
12.1185


 118.7426,  
166.4851, 82.6081

 16.6718, 29.8023,  
6.7009


 149.5991,  
205.5200, 108.3161

 10.0946, 19.6886,  
3.2002

185.3854,  
250.2241, 138.8707

 5.5245, 12.1689,  
1.1977

226.4670,  
300.9817, 174.6905

 2.5960, 6.8588,  
0.0000

273.2092,

 0.9439, 3.3739,

358.1774, 216.1940

0.0000

325.9773,  
422.1953, 263.7998

■ 0.0000, 1.3299,  
0.0000

■ 0.0000, 0.1642,  
0.0000

■ 52.0991, 79.5515,  
30.3784

■ 52.0991, 79.5515,  
30.3784

■ 47.4042, 77.2868,  
23.1280

■ 57.8040, 82.2892,  
39.8290

■ 43.6557, 75.4663,  
17.8964


■ 64.5749, 85.5255,  
51.6346


■ 40.7838, 74.0584,  
14.4794

■ 72.4647, 89.2843,  
65.9401

■ 38.7069, 73.0265,  
12.6279

■ 81.5222, 93.5881,  
82.8776

 37.6502, 72.4944,  
12.0085

 91.7934, 98.4579,  
102.5702

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



66.4466, 79.5515, 18.5938



52.0991, 79.5515, 30.3784



44.8038, 79.5515, 61.1967

# Triad

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



52.0991, 79.5515, 30.3784



66.1171, 79.5515, 237.7701



118.1727, 79.5515, 62.0174

# Complementary

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



52.0991, 79.5515, 30.3784



55.1994, 36.3424, 98.7132

# Split Complementary

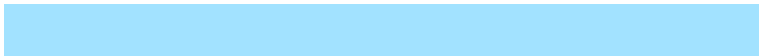
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



118.0430, 79.5515, 118.2540



52.0991, 79.5515, 30.3784



85.5823, 79.5515, 238.3116

# Square

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



52.0991, 79.5515, 30.3784



51.8940, 79.5515, 186.7595



105.3078, 79.5515, 188.0208



105.6365, 79.5515, 30.7549



# Rectangle

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



52.0991, 79.5515, 30.3784



43.9599, 79.5515, 95.7880



105.3078, 79.5515, 188.0208



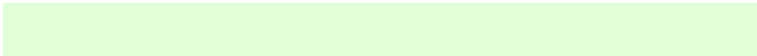
119.6704, 79.5515, 78.0529

# Sweetspot

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



52.0994, 79.5516, 30.3796



78.6235, 92.2119, 77.4071



70.5532, 74.4617, 28.4245



16.4249, 19.5453, 15.8114



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

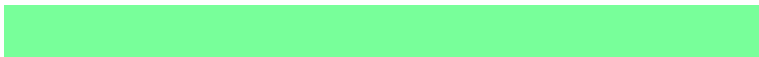
The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.0994, 79.5516, 30.3796



46.9630, 77.0732, 22.4808



49.3184, 77.8382, 42.8890



18.1745, 20.3759, 19.1194



19.7821, 37.9361, 6.2798



2.0181, 3.7411, 0.6157



# Inverse Universe

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



55.1994, 36.3424, 98.7132



50.2729, 29.4872, 97.6497



61.0416, 39.9277, 73.0716



18.3471, 18.0707, 22.7709



21.2714, 9.8763, 50.2198

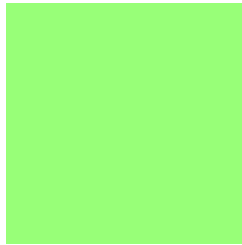


2.1676, 1.0114, 4.8942



# Previews

## White Background



This preview shows how the XYZ color 52.0991, 79.5515, 30.3784 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

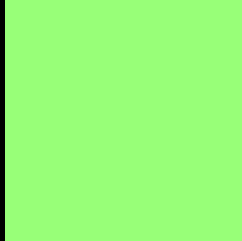
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.0991, 79.5515, 30.3784 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

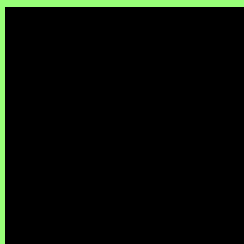
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

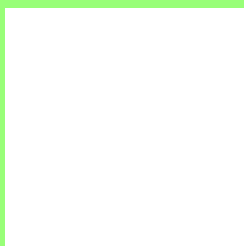
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.0991, 79.5515, 30.3784**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.0991, 79.5515, 30.3784.



This preview shows how white text looks on a background with the XYZ color 52.0991, 79.5515,



# 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

52.0991, 79.5515, 30.3784

### Protanopia

71.8170, 78.2793, 26.6535

### Deuteranopia

77.0810, 78.2454, 59.1844



## Tritanopia

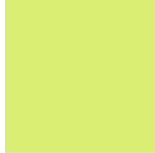
68.8742, 78.8082, 106.1892

# Trichromacy



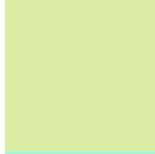
## Original Color

52.0991, 79.5515, 30.3784



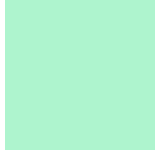
## Protanomaly

62.2843, 77.1386, 27.8262



## Deuteranomaly

65.3226, 77.0024, 46.5420



## Tritanomaly

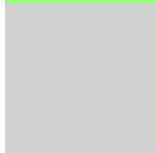
60.9468, 78.1563, 70.2660

# Monochromacy



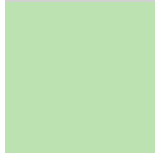
## Original Color

52.0991, 79.5515, 30.3784



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

55.8712, 68.2584, 51.8254

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.0991, 79.5515, 30.3784 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(152, 255, 120)` looks like.

```
.text, #text, p{  
    color:rgb(152, 255, 120)  
}
```

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(152, 255, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 255, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 52.0991, 79.5515, 30.3784 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(152, 255, 120) }
```



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

```
.border{ border-color:rgb(152, 255, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 255, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 255, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 255, 120);  
box-shadow:4px 4px 4px 4px rgb(152, 255,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.0991, 79.5515, 30.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 255, 120) }
```

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

```
.background{ background-color: rgb(152,  
255, 120) }
```

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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