

# Converting Colors

XYZ(52.2540, 79.7459, 25.2088)

Have a look what the booklet for  
XYZ(52.2540, 79.7459, 25.2088)  
contains.

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# Color

**XYZ(52.2588, 79.7484,  
25.2090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EFF66
RGB	158, 255, 102
RGB Percent	62%, 100%, 40%
CMY	0.3804, 0.0000, 0.6000
CMYK	0.38, 0.00, 0.60, 0.00
HSL	98°, 100%, 70%
HSV	98°, 60%, 100%
XYZ	52.2588, 79.7484, 25.2090
YIQ	208.5550, -8.6990, -68.1470

# Conversions

## Conversions Part 2

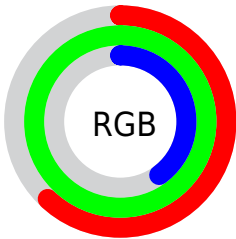
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 255, 199</a>
Decimal	<a href="#">10420070</a>
CIELab	<a href="#">91.57, -54.06, 62.66</a>
CIELCh	<a href="#">92, 82.755, 130.784</a>
Yxy	<a href="#">79.7484, 0.3324, 0.5073</a>
Android (android.graphics.Color)	<a href="#">4288610150 (0xFF9EFF66)</a>
YUV	<a href="#">208.5550, -52.5316, -44.3367</a>
Hunter-Lab	<a href="#">89.3020, -51.8216, 45.7744</a>

# Details

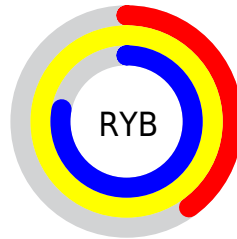
The XYZ color **52.2588, 79.7484, 25.2090** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **46.3562, 28.8663, 97.7363**, and the grayscale version is **60.6496, 63.8081, 69.4870**.

A 20% lighter version of the original color is **70.5468, 88.7403, 45.7581**, and **25.7943, 43.2227, 9.3662** is the 20% darker color. If you saturate the color by 10%, you get **48.2088, 77.7849, 19.4029**, and if you desaturate by 10%, it is **57.1165, 82.0834, 33.0848**.

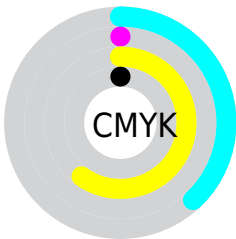
# Distribution



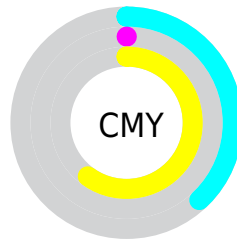
- Red (62%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (78%)



- Cyan (38%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2588, 79.7484, 25.2090 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 52.2588, 79.7484, 25.2090 by changing the saturation by 10% instead.





 52.2588, 79.7484,  
25.2090


 52.2588, 79.7484,  
25.2090


385.7425,  
494.0845, 292.3581

 37.4365, 59.5113,  
16.0124


 92.6848, 133.0119,  
52.9644


 25.7209, 43.0249,  
9.3785


 119.0192,  
166.8072, 72.3603

 16.7465, 29.9046,  
4.8887


 149.9216,  
205.8906, 95.9930

 10.1481, 19.7662,  
2.1245

 185.7575,  
250.6467, 124.2811

 5.5603, 12.2252,  
0.6303

226.8922,  
301.4597, 157.6431

 2.6177, 6.8973,  
0.0000


273.6910,


 0.9550, 3.3979,


358.7141, 196.4976


0.0000


326.5193,  
422.7942, 241.2631


 0.0000, 1.3428,  
0.0000


 0.0000, 0.1740,  
0.0000


 52.2588, 79.7484,  
25.2090


 52.2588, 79.7484,  
25.2090


 48.2088, 77.7849,  
19.4029


 57.1165, 82.0834,  
33.0848


 44.9126, 76.1693,  
15.4675


 62.8289, 84.8103,  
43.1975


 42.3091, 74.8753,  
13.1710

 69.4397, 87.9483,  
55.7014

 40.3078, 73.8645,  
12.1330

 76.9890, 91.5152,  
70.7360

 40.3075, 73.8643,  
12.1328

 85.5146, 95.5275,  
88.4301

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.



68.4557, 79.7484, 15.3875



52.2588, 79.7484, 25.2090



43.5709, 79.7484, 53.9196

# Triad

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



52.2588, 79.7484, 25.2090



63.2099, 79.7484, 249.3260



123.0649, 79.7484, 66.8503

# Complementary

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



52.2588, 79.7484, 25.2090



46.3562, 28.8663, 97.7363

# 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.



120.9435, 79.7484, 130.9816



52.2588, 79.7484, 25.2090



83.6483, 79.7484, 258.3696

# Square

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



52.2588, 79.7484, 25.2090



49.0342, 79.7484, 187.0335



105.5193, 79.7484, 207.9228



110.8684, 79.7484, 30.8877



# Rectangle

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



52.2588, 79.7484, 25.2090



42.0288, 79.7484, 88.4319



105.5193, 79.7484, 207.9228



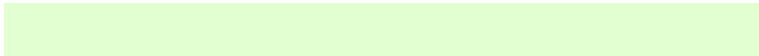
124.0523, 79.7484, 85.2524

# Sweetspot

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



52.2590, 79.7485, 25.2102



78.6134, 92.2809, 74.0552



64.0393, 63.0210, 21.3606



16.3230, 19.5145, 14.8239



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.



52.2590, 79.7485, 25.2102



47.4904, 77.4344, 18.4721



44.7779, 75.7602, 30.8070



18.3993, 20.4917, 19.1299



21.2109, 38.6727, 6.3466



2.1803, 3.8248, 0.6233



# Inverse Universe

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



46.3562, 28.8663, 97.7363



41.0194, 22.4439, 96.7779



60.9295, 36.7387, 82.1750



18.1103, 17.9486, 22.7599



17.3523, 7.8559, 50.0364

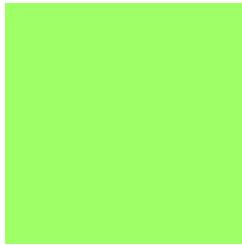


1.8097, 0.8269, 4.8775



# Previews

## White Background



This preview shows how the XYZ color 52.2588, 79.7484, 25.2090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

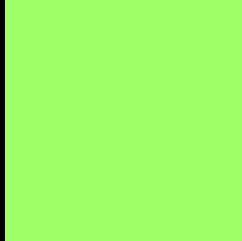
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.2588, 79.7484, 25.2090 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

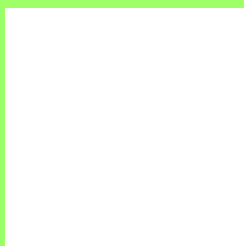
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.2588, 79.7484, 25.2090**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.2588, 79.7484, 25.2090.



This preview shows how white text looks on a background with the XYZ color 52.2588, 79.7484,



# 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

52.2588, 79.7484, 25.2090

### Protanopia

71.8371, 78.7737, 23.4752

### Deuteranopia

77.2423, 78.7413, 58.7044



## Tritanopia

69.6108, 79.1879, 106.2237

# Trichromacy



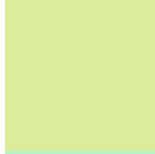
## Original Color

52.2588, 79.7484, 25.2090



## Protanomaly

62.7307, 77.8882, 24.0396



## Deuteranomaly

65.5965, 77.6409, 43.4272



## Tritanomaly

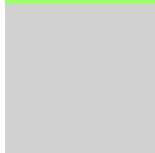
61.0196, 78.2899, 65.9282

# Monochromacy



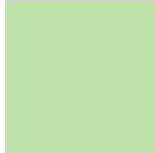
## Original Color

52.2588, 79.7484, 25.2090



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

55.6873, 68.2421, 48.2672

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2588, 79.7484, 25.2090 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, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 102)  
}
```

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, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2588, 79.7484, 25.2090 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, 255, 102) }
```



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

```
.border{ border-color:rgb(158, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.2588, 79.7484, 25.2090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 102) }
```

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

```
.background{ background-color: rgb(158,  
255, 102) }
```

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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