

# Converting Colors

XYZ(52.5724, 77.2167, 40.9874)

Have a look what the booklet for  
XYZ(52.5724, 77.2167, 40.9874)  
contains.

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# Color

**XYZ(52.6395, 77.2486,  
40.9902)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98FA96
RGB	152, 250, 150
RGB Percent	60%, 98%, 59%
CMY	0.4039, 0.0196, 0.4118
CMYK	0.39, 0.00, 0.40, 0.02
HSL	119°, 91%, 78%
HSV	119°, 40%, 98%
XYZ	52.6395, 77.2486, 40.9902
YIQ	209.2980, -26.3080, -51.8760

# Conversions

## Conversions Part 2

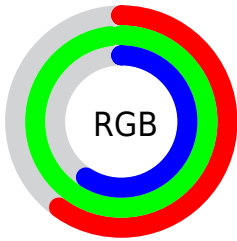
Format	Color
<a href="#">RYB</a>	<a href="#">150, 250, 248</a>
Decimal	<a href="#">10025622</a>
CIELab	<a href="#">90.44, -48.17, 39.10</a>
CIElCh	<a href="#">90, 62.038, 140.933</a>
Yxy	<a href="#">77.2486, 0.3081, 0.4521</a>
Android (android.graphics.Color)	<a href="#">4288215702 (0xFF98FA96)</a>
YUV	<a href="#">209.2980, -29.2339, -50.2503</a>
Hunter-Lab	<a href="#">87.8912, -46.9029, 33.8725</a>

# Details

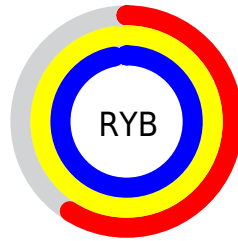
The XYZ color **52.6395, 77.2486, 40.9902** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.8766, 48.6737, 96.3167**, and the grayscale version is **60.9979, 64.1745, 69.8861**.

A 20% lighter version of the original color is **73.3578, 89.6294, 71.1914**, and **25.9939, 41.4547, 18.1868** is the 20% darker color. If you saturate the color by 10%, you get **46.7160, 74.4055, 31.3023**, and if you desaturate by 10%, it is **59.9435, 80.7583, 52.9876**.

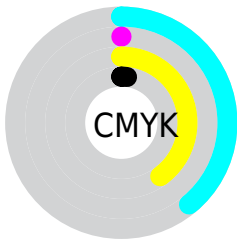
# Distribution



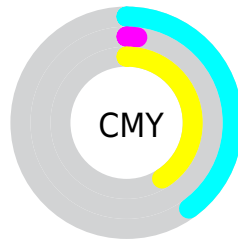
- Red (60%)
- Green (98%)
- Blue (59%)



- Red (59%)
- Yellow (98%)
- Blue (97%)



- Cyan (39%)
- Magenta (0%)
- Yellow (40%)
- Black (2%)




- Cyan (40%)
- Magenta (2%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6395, 77.2486, 40.9902 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 52.6395, 77.2486, 40.9902 by changing the saturation by 10% instead.





 52.6395, 77.2486,  
40.9902


 52.6395, 77.2486,  
40.9902


387.1840,  
485.6112, 365.9551

 37.7414, 57.4569,  
27.9918


 93.2423, 129.4903,  
77.9225

 25.9583, 41.3722,  
18.0805


 119.6778,  
162.7092, 102.6935

 16.9250, 28.6100,  
10.8377


150.6897,  
201.1726, 132.2258

 10.2760, 18.7860,  
5.8450

186.6435,  
245.2649, 166.9379

 5.6460, 11.5158,  
2.6838

227.9044,  
295.3705, 207.2483

 2.6696, 6.4149,  
0.9353


274.8379,


 0.9816, 3.0990,


351.8739, 253.5756


0.0000


327.8093,  
415.1593, 306.3384


 0.0000, 1.1836,  
0.0000


 0.0000, 0.0483,  
0.0000


 52.6395, 77.2486,  
40.9902


 52.6395, 77.2486,  
40.9902


 46.7160, 74.4055,  
31.3023


 59.9435, 80.7583,  
52.9876


 42.0809, 72.1779,  
23.7709

 68.7010, 84.9625,  
67.4243

 38.6400, 70.5231,  
18.2326

 78.9869, 89.8994,  
84.4264

 36.2840, 69.3888,  
14.4987

 90.8692, 95.6016,  
104.1100

■ 34.8834, 68.7130,  
12.3441

■ 93.4771, 96.8543,  
108.3757

■ 34.2497, 68.4065,  
11.3986

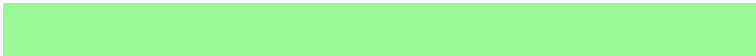
# Harmonies

## Analogous

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



63.2865, 77.2486, 26.9459



52.6395, 77.2486, 40.9902



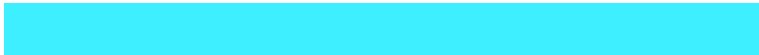
47.7618, 77.2486, 71.3711

# Triad

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



52.6395, 77.2486, 40.9902



68.8279, 77.2486, 199.6007



104.9040, 77.2486, 57.1662

# Complementary

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



52.6395, 77.2486, 40.9902



66.8766, 48.6737, 96.3167

# 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.



106.9387, 77.2486, 98.2824



52.6395, 77.2486, 40.9902



84.5867, 77.2486, 191.5897

# Square

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



52.6395, 77.2486, 40.9902



56.2050, 77.2486, 169.2469



99.0615, 77.2486, 150.1394



93.8395, 77.2486, 33.7426



# Rectangle

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



52.6395, 77.2486, 40.9902



47.8884, 77.2486, 101.3492



99.0615, 77.2486, 150.1394



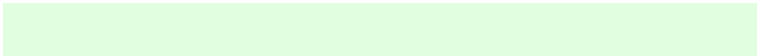
106.7224, 77.2486, 68.9467

# Sweetspot

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



52.6414, 77.2519, 40.9919



80.3238, 92.9329, 84.5101



78.0917, 88.8478, 41.8888



16.8808, 19.7418, 17.5730



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.



52.6414, 77.2519, 40.9919



49.9651, 78.3571, 34.5367



56.8056, 78.8747, 64.8559



17.0494, 19.3257, 18.2940



18.1803, 36.2906, 6.0466



1.6947, 3.3668, 0.5605



# Inverse Universe

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



66.8766, 48.6737, 96.3167



66.7288, 44.6848, 99.7158



61.1526, 46.4664, 62.4567



17.9567, 17.5059, 21.8178



29.1433, 13.9666, 49.1334

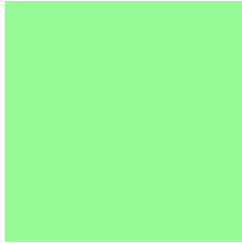


2.7098, 1.2990, 4.5511



# Previews

## White Background



This preview shows how the XYZ color 52.6395, 77.2486, 40.9902 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 52.6395, 77.2486, 40.9902 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

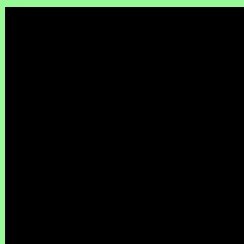
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

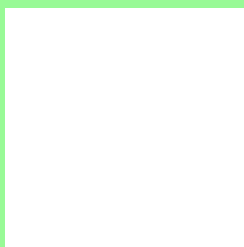
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.6395, 77.2486, 40.9902**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.6395, 77.2486, 40.9902.



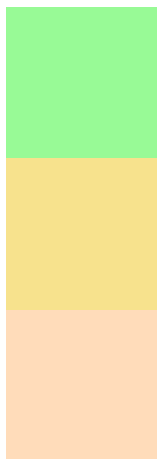
This preview shows how white text looks on a background with the XYZ color 52.6395, 77.2486,

40.9902.

# 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

52.6395, 77.2486, 40.9902

### Protanopia

70.3618, 76.0900, 36.1777

### Deuteranopia

75.6961, 75.9916, 57.1326



## Tritanopia

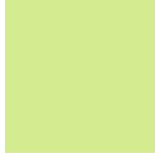
66.2387, 77.0185, 105.9826

# Trichromacy



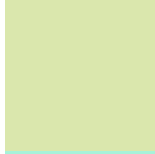
## Original Color

52.6395, 77.2486, 40.9902



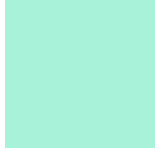
## Protanomaly

61.8937, 75.4273, 37.6823



## Deuteranomaly

65.0322, 75.0744, 50.5984



## Tritanomaly

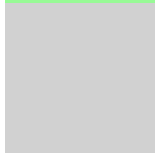
60.2129, 76.7295, 77.2824

# Monochromacy



## Original Color

52.6395, 77.2486, 40.9902



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

56.4718, 67.6335, 57.6551

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6395, 77.2486, 40.9902 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, 250, 150)` looks like.

```
.text, #text, p{  
    color:rgb(152, 250, 150)  
}
```

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, 250, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 250, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6395, 77.2486, 40.9902 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, 250, 150) }
```



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

```
.border{ border-color:rgb(152, 250, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 250, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 250, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 250, 150);  
box-shadow:4px 4px 4px 4px rgb(152, 250,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6395, 77.2486, 40.9902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 250, 150) }
```

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

```
.background{ background-color: rgb(152,  
250, 150) }
```

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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