

# Converting Colors

XYZ(41.0218, 73.9736, 23.6715)

Have a look what the booklet for  
XYZ(41.0218, 73.9736, 23.6715)  
contains.

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# Color

**XYZ(41.0252, 73.9796,  
23.6725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DFF62
RGB	77, 255, 98
RGB Percent	30%, 100%, 38%
CMY	0.6980, 0.0000, 0.6157
CMYK	0.70, 0.00, 0.62, 0.00
HSL	127°, 100%, 65%
HSV	127°, 70%, 100%
XYZ	41.0252, 73.9796, 23.6725
YIQ	183.8800, -55.6910, -86.5630

# Conversions

## Conversions Part 2

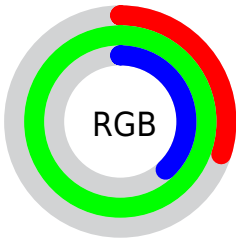
Format	Color
<a href="#">RYB</a>	<a href="#">77, 236, 255</a>
Decimal	<a href="#">5111650</a>
CIELab	<a href="#">88.91, -74.34, 60.62</a>
CIELCh	<a href="#">89, 95.927, 140.804</a>
Yxy	<a href="#">73.9796, 0.2958, 0.5335</a>
Android (android.graphics.Color)	<a href="#">4283301730 (0xFF4DFF62)</a>
YUV	<a href="#">183.8800, -42.3388, -93.7338</a>
Hunter-Lab	<a href="#">86.0114, -65.3801, 43.8899</a>

# Details

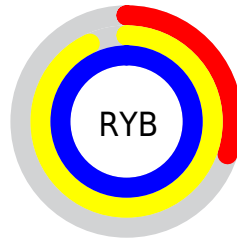
The XYZ color **41.0252, 73.9796, 23.6725** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **58.7449, 32.5084, 81.0183**, and the grayscale version is **45.7424, 48.1246, 52.4076**.

A 20% lighter version of the original color is **53.5424, 80.0230, 42.7610**, and **20.3493, 40.0857, 8.6723** is the 20% darker color. If you saturate the color by 10%, you get **38.4383, 72.7520, 18.7658**, and if you desaturate by 10%, it is **44.7169, 75.7423, 30.1904**.

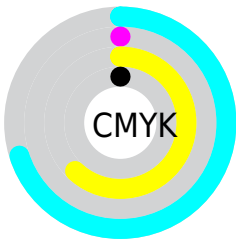
# Distribution



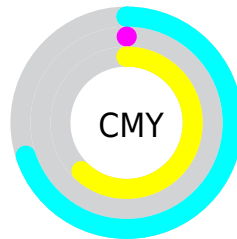
- Red (30%)
- Green (100%)
- Blue (38%)



- Red (30%)
- Yellow (93%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0252, 73.9796, 23.6725 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 41.0252, 73.9796, 23.6725 by changing the saturation by 10% instead.





 41.0252, 73.9796,  
23.6725


 41.0252, 73.9796,  
23.6725


341.4867,  
474.4030, 284.3936


 28.5265, 54.7773,  
14.8809


 75.9966, 124.8669,  
50.4324


 18.8654, 39.2235,  
8.5902


 99.2001, 157.3207,  
69.2377

 11.6765, 26.9336,  
4.3817


 126.7025,  
194.9605, 92.2180

 6.5944, 17.5234,  
1.8370

 158.8693,  
238.1707, 119.7919

 3.2538, 10.6083,  
0.4522

196.0657,  
287.3356, 152.3779

 1.2894, 5.8041,  
0.0000

238.6572,

 0.1752, 2.7264,

342.8397, 190.3944

0.0000

287.0091,  
405.0674, 234.2602

0.0000, 0.9906,  
0.0000

0.0000, 0.0000,  
0.0000

41.0252, 73.9796,  
23.6725

41.0252, 73.9796,  
23.6725

38.4383, 72.7520,  
18.7658

44.7169, 75.7423,  
30.1904

36.8292, 71.9969,  
15.3266


49.6193, 78.0921,  
38.4395


36.0075, 71.6197,  
13.1904

55.8269, 81.0753,  
48.5326

35.9955, 71.6142,  
13.1600

63.4246, 84.7334,  
60.5719

 72.4899, 89.1045,  
74.6522

 83.0948, 94.2237,  
90.8619

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.



55.5896, 73.9796, 10.3282



41.0252, 73.9796, 23.6725



34.7471, 73.9796, 61.7573

# Triad

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



41.0252, 73.9796, 23.6725



63.4038, 73.9796, 284.8413



120.9886, 73.9796, 43.0696

# Complementary

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



41.0252, 73.9796, 23.6725



58.7449, 32.5084, 81.0183

# Split Complementary

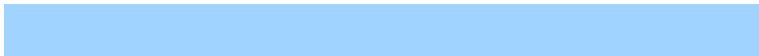
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



124.3833, 73.9796, 102.8166



41.0252, 73.9796, 23.6725



87.4360, 73.9796, 269.5528

# Square

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



41.0252, 73.9796, 23.6725



45.6577, 73.9796, 226.2797



111.0078, 73.9796, 191.7175



102.5553, 73.9796, 16.4602



# Rectangle

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



41.0252, 73.9796, 23.6725



34.8835, 73.9796, 107.0407



111.0078, 73.9796, 191.7175



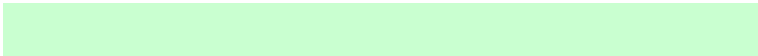
124.0646, 73.9796, 58.8377

# Sweetspot

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



41.0255, 73.9798, 23.6737



71.3253, 88.5427, 72.8566



71.1080, 89.5878, 20.5659



14.7093, 18.6830, 14.7323



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.



41.0255, 73.9798, 23.6737



37.6521, 72.3815, 17.1523



47.7655, 76.6758, 59.1656



17.8587, 20.2030, 19.5590



18.8357, 37.4309, 7.0202



1.8605, 3.6551, 0.8235



# Inverse Universe

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



58.7449, 32.5084, 81.0183



56.2704, 28.5298, 77.2020



49.0229, 28.6196, 29.8233



18.6949, 18.2613, 22.2766



28.6805, 13.9615, 38.5637

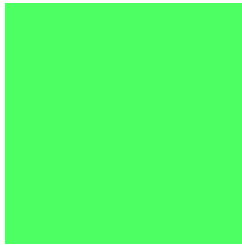


2.8175, 1.3694, 3.8865



# Previews

## White Background



This preview shows how the XYZ color 41.0252, 73.9796, 23.6725 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

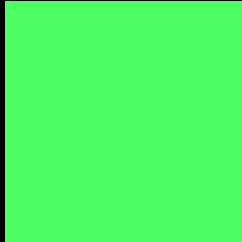
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.0252, 73.9796, 23.6725 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 41.0252, 73.9796, 23.6725**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.0252, 73.9796, 23.6725.



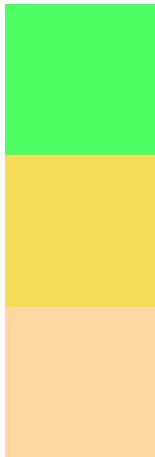
This preview shows how white text looks on a background with the XYZ color 41.0252, 73.9796,

23.6725.

# 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

41.0252, 73.9796, 23.6725

### Protanopia

65.8888, 72.5400, 19.7614

### Deuteranopia

72.0620, 72.4695, 44.3724



## Tritanopia

58.6507, 73.1067, 105.6275

# Trichromacy



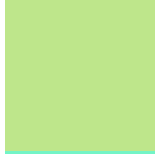
## Original Color

41.0252, 73.9796, 23.6725



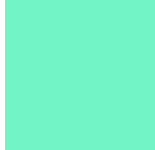
## Protanomaly

51.3622, 69.9326, 20.9165



## Deuteranomaly

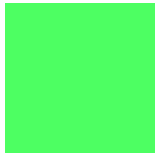
54.1922, 69.4049, 34.9663



## Tritanomaly

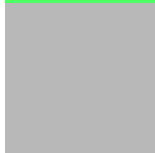
49.6140, 72.4234, 64.7903

# Monochromacy



## Original Color

41.0252, 73.9796, 23.6725



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

40.4734, 54.4128, 38.5065

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.0252, 73.9796, 23.6725 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(77, 255, 98)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 98)  
}
```

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(77, 255, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 98) }
```

## Border

The CSS property to change the border of an element to XYZ 41.0252, 73.9796, 23.6725 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(77, 255, 98) }
```



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

```
.border{ border-color:rgb(77, 255, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 98);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
98) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.0252, 73.9796, 23.6725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 98) }
```

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

```
.background{ background-color: rgb(77, 255,  
98) }
```

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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