

Converting Colors

XYZ(40.4337, 74.4911, 17.6532)

Have a look what the booklet for
XYZ(40.4337, 74.4911, 17.6532)
contains.

XYZ(40.0278, 73.5996, 17.5653)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.0278, 73.5996,
17.5653)**

Conversions

Conversions Part 1

Format	Color
Hex	4FFF44
RGB	79, 255, 68
RGB Percent	31%, 100%, 27%
CMY	0.6902, 0.0000, 0.7333
CMYK	0.69, 0.00, 0.73, 0.00
HSL	116°, 100%, 63%
HSV	116°, 73%, 100%
XYZ	40.0278, 73.5996, 17.5653
YIQ	181.0580, -44.8690, -95.4690

Conversions

Conversions Part 2

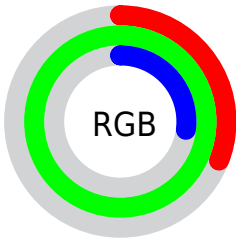
Format	Color
R _{YB}	68, 255, 244
Decimal	5242692
CIE Lab	88.73, -76.65, 71.70
CIE LCh	89, 104.960, 136.913
Yxy	73.5996, 0.3051, 0.5610
Android (android.graphics.Color)	4283432772 (0xFF4FFF44)
YUV	181.0580, -55.7376, -89.5049
Hunter-Lab	85.7902, -66.8487, 47.9137

Details

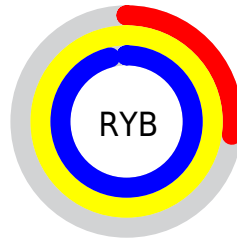
The XYZ color **40.0278, 73.5996, 17.5653** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **57.4283, 30.5895, 97.4853**, and the grayscale version is **44.2621, 46.5672, 50.7117**.

A 20% lighter version of the original color is **52.1684, 79.5363, 32.6812**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **37.7625, 72.5030, 14.2426**, and if you desaturate by 10%, it is **43.3519, 75.2029, 22.7048**.

Distribution



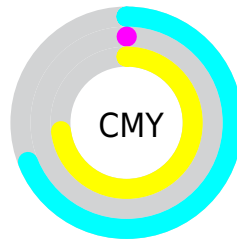
- Red (31%)
- Green (100%)
- Blue (27%)



- Red (27%)
- Yellow (100%)
- Blue (96%)



- Cyan (69%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)




- Cyan (69%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0278, 73.5996, 17.5653 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 40.0278, 73.5996, 17.5653 by changing the saturation by 10% instead.


 40.0278, 73.5996,
17.5653


 40.0278, 73.5996,
17.5653


337.3731,
473.0903, 250.5626


 27.7445, 54.4664,
10.4721


 74.4899, 124.3280,
40.0991


 18.2726, 38.9747,
5.6034


 97.3995, 156.6921,
56.3768


 11.2468, 26.7400,
2.5406


 124.5818,
194.2352, 76.5531

 6.3016, 17.3781,
0.8616

 156.4023,
237.3417, 101.0466

 3.0717, 10.5044,
0.0000

 193.2264,
286.3961, 130.2757

 1.1918, 5.7347,
0.0000

235.4193,

 0.0999, 2.6844,

341.7827, 164.6591

0.0000

283.3464,
403.8860, 204.6152

■ 0.0000, 0.9693,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0278, 73.5996,
17.5653

■ 40.0278, 73.5996,
17.5653

■ 37.7625, 72.5030,
14.2426

■ 43.3519, 75.2029,
22.7048


■ 36.4262, 71.8518,
12.4795


■ 47.8429, 77.3642,
29.8662


■ 35.9569, 71.6215,
11.9292

■ 53.5959, 80.1287,
39.2308

■ 60.6964, 83.5369,
50.9590

 69.2222, 87.6259,
65.1960

 79.2452, 92.4297,
82.0757

 90.8326, 97.9803,
101.7222

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.



56.6978, 73.5996, 7.0088



40.0278, 73.5996, 17.5653



32.3785, 73.5996, 52.4775

Triad

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



40.0278, 73.5996, 17.5653



59.4773, 73.5996, 307.8526



127.7918, 73.5996, 45.9712

Complementary

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



40.0278, 73.5996, 17.5653



57.4283, 30.5895, 97.4853

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.



129.0559, 73.5996, 116.1265



40.0278, 73.5996, 17.5653



85.1309, 73.5996, 301.9679

Square

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



40.0278, 73.5996, 17.5653



41.6365, 73.5996, 231.6452



111.9822, 73.5996, 218.5152



108.8596, 73.5996, 15.2746

Rectangle

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



40.0278, 73.5996, 17.5653



31.8355, 73.5996, 98.1609



111.9822, 73.5996, 218.5152



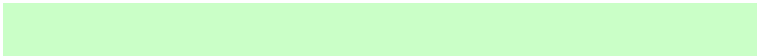
130.4335, 73.5996, 64.4674

Sweetspot

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



40.0280, 73.5997, 17.5665



70.4679, 88.2231, 67.2867



74.1949, 85.4999, 18.0626



14.5456, 18.6257, 13.5007



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.



40.0280, 73.5997, 17.5665



37.0319, 72.1477, 13.2430



43.5722, 74.9203, 40.6140



17.8704, 20.2191, 19.1051



18.8266, 37.4436, 6.2351



1.8662, 3.6628, 0.6086

Inverse Universe

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



57.4283, 30.5895, 97.4853



55.0817, 27.0225, 96.9205



50.9446, 28.4499, 42.8353



18.6810, 18.2428, 22.7866



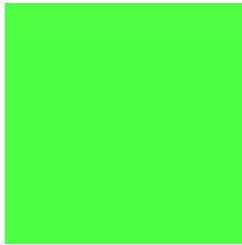
28.2555, 13.4767, 50.5466



2.7819, 1.3281, 4.9230

Previews

White Background



This preview shows how the XYZ color 40.0278, 73.5996, 17.5653 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 40.0278, 73.5996, 17.5653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

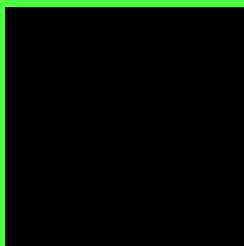
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0278, 73.5996, 17.5653

Background



This preview shows how black text looks on a background with the XYZ color 40.0278, 73.5996, 17.5653.

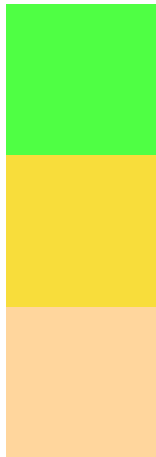


This preview shows how white text looks on a background with the XYZ color 40.0278, 73.5996,

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

40.0278, 73.5996, 17.5653

Protanopia

65.3573, 71.9851, 14.5875

Deuteranopia

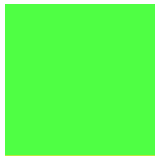
71.3724, 71.7875, 41.9929



Tritanopia

58.4875, 73.0226, 105.6199

Trichromacy



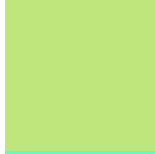
Original Color

40.0278, 73.5996, 17.5653



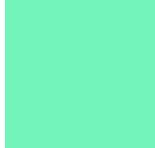
Protanomaly

50.5019, 69.1904, 15.2508



Deuteranomaly

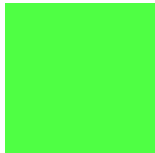
53.2068, 68.5957, 29.8380



Tritanomaly

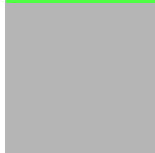
48.3906, 71.9341, 58.3479

Monochromacy



Original Color

40.0278, 73.5996, 17.5653



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

38.7911, 52.9345, 32.9838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0278, 73.5996, 17.5653 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(79, 255, 68)` looks like.

```
.text, #text, p{  
    color:rgb(79, 255, 68)  
}
```

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(79, 255, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 255, 68) }
```

Border

The CSS property to change the border of an element to XYZ 40.0278, 73.5996, 17.5653 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(79, 255, 68) }
```


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

```
.border{ border-color:rgb(79, 255, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 255, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 255, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 255, 68);  
box-shadow:4px 4px 4px 4px rgb(79, 255,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0278, 73.5996, 17.5653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 255, 68) }
```

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

```
.background{ background-color: rgb(79, 255,  
68) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor