

Converting Colors

XYZ(40.2351, 73.6145, 21.7293)

Have a look what the booklet for
XYZ(40.2351, 73.6145, 21.7293)
contains.

XYZ(40.2780, 73.6359, 21.7631)	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(40.2780, 73.6359,
21.7631)**

Conversions

Conversions Part 1

Format	Color
Hex	48FF5A
RGB	72, 255, 90
RGB Percent	28%, 100%, 35%
CMY	0.7176, 0.0000, 0.6470
CMYK	0.72, 0.00, 0.65, 0.00
HSL	126°, 100%, 64%
HSV	126°, 72%, 100%
XYZ	40.2780, 73.6359, 21.7631
YIQ	181.4730, -56.1030, -90.1110

Conversions

Conversions Part 2

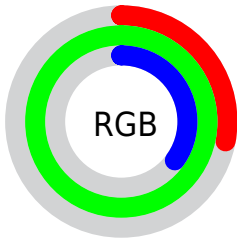
Format	Color
RYB	72, 239, 255
Decimal	4783962
CIELab	88.75, -75.95, 63.67
CIELCh	89, 99.105, 140.027
Yxy	73.6359, 0.2969, 0.5427
Android (android.graphics.Color)	4282974042 (0xFF48FF5A)
YUV	181.4730, -45.0962, -96.0078
Hunter-Lab	85.8114, -66.3858, 45.0311

Details

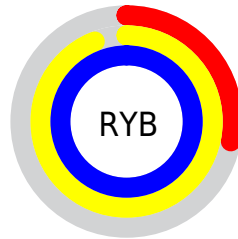
The XYZ color **40.2780, 73.6359, 21.7631** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed green. A complement of this color would be **58.8431, 32.0092, 83.1955**, and the grayscale version is **44.4363, 46.7504, 50.9112**.

A 20% lighter version of the original color is **52.4499, 79.5246, 39.7795**, and **20.1759, 40.0163, 7.7592** is the 20% darker color. If you saturate the color by 10%, you get **37.9230, 72.5180, 17.3110**, and if you desaturate by 10%, it is **43.7239, 75.2812, 27.8480**.

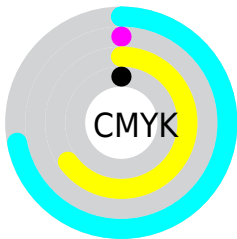
Distribution



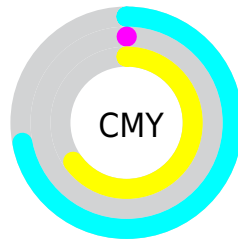
- Red (28%)
- Green (100%)
- Blue (35%)



- Red (28%)
- Yellow (94%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (72%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2780, 73.6359, 21.7631 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 40.2780, 73.6359, 21.7631 by changing the saturation by 10% instead.


 40.2780, 73.6359,
21.7631


 40.2780, 73.6359,
21.7631


338.4083,
473.2158, 274.2196


 27.9405, 54.4961,
13.4863


 74.8683, 124.3795,
47.2513


 18.4211, 38.9984,
7.6296


 97.8519, 156.7521,
65.2998

 11.3542, 26.7585,
3.7745


 125.1148,
194.3045, 87.4425

 6.3747, 17.3919,
1.5025

 157.0226,
237.4209, 114.0981

 3.1170, 10.5143,
0.2198

193.9404,
286.4859, 145.6851

 1.2159, 5.7413,
0.0000

236.2338,

 0.1189, 2.6884,

341.8838, 182.6220

0.0000

284.2679,
403.9989, 225.3273

0.0000, 0.9713,
0.0000

0.0000, 0.0000,
0.0000

40.2780, 73.6359,
21.7631

40.2780, 73.6359,
21.7631

37.9230, 72.5180,
17.3110

43.7239, 75.2812,
27.8480

36.5243, 71.8615,
14.3307


48.3717, 77.5083,
35.6991


35.9364, 71.5906,
12.8489


54.3200, 80.3653,
45.4405

61.6565, 83.8951,
57.1837

 70.4615, 88.1368,
71.0319

 80.8091, 93.1267,
87.0809

 92.7684, 98.8984,
105.4209

 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.



55.3623, 73.6359, 9.1154



40.2780, 73.6359, 21.7631



33.7037, 73.6359, 59.4224

Triad

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



40.2780, 73.6359, 21.7631



62.3069, 73.6359, 293.0837



122.8319, 73.6359, 42.9376

Complementary

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



40.2780, 73.6359, 21.7631



58.8431, 32.0092, 83.1955

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.



125.8987, 73.6359, 105.2760



40.2780, 73.6359, 21.7631



86.9880, 73.6359, 279.1049

Square

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



40.2780, 73.6359, 21.7631



44.3601, 73.6359, 229.8254



111.5814, 73.6359, 198.3739



103.9671, 73.6359, 15.6009

Rectangle

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



40.2780, 73.6359, 21.7631



33.7084, 73.6359, 105.4240



111.5814, 73.6359, 198.3739



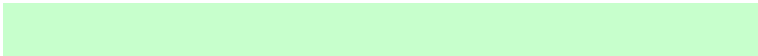
125.8874, 73.6359, 59.3214

Sweetspot

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



40.2783, 73.6361, 21.7643



70.2361, 88.0282, 70.6799



72.7802, 90.4695, 19.7577



14.4925, 18.5810, 14.2819



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.



40.2783, 73.6361, 21.7643



37.2225, 72.1878, 15.8787



46.5441, 76.1424, 54.7597



17.8441, 20.1972, 19.4823



18.8013, 37.4171, 6.8391



1.8537, 3.6524, 0.7874

Inverse Universe

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



58.8431, 32.0092, 83.1955



56.6307, 28.4112, 79.9092



48.9227, 28.0411, 30.9553



18.7111, 18.2677, 22.3617



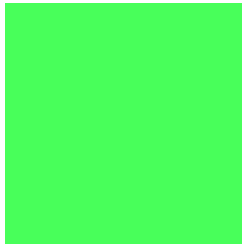
29.0371, 14.1041, 40.4412



2.8486, 1.3818, 4.0503

Previews

White Background



This preview shows how the XYZ color 40.2780, 73.6359, 21.7631 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 40.2780, 73.6359, 21.7631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

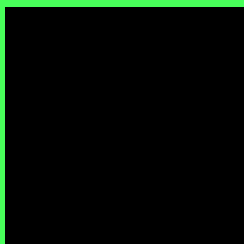
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2780, 73.6359, 21.7631

Background



This preview shows how black text looks on a background with the XYZ color 40.2780, 73.6359, 21.7631.

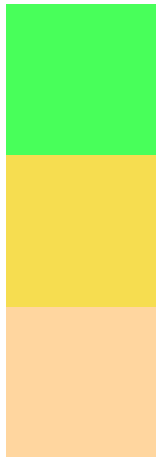


This preview shows how white text looks on a background with the XYZ color 40.2780, 73.6359,

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

40.2780, 73.6359, 21.7631

Protanopia

65.3105, 71.8849, 18.0224

Deuteranopia

71.5446, 71.8563, 42.8997



Tritanopia

58.1657, 72.8567, 105.6048

Trichromacy



Original Color

40.2780, 73.6359, 21.7631



Protanomaly

50.2676, 68.9852, 19.0536



Deuteranomaly

53.0614, 68.4512, 32.9700



Tritanomaly

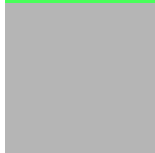
48.7566, 72.0210, 62.9615

Monochromacy



Original Color

40.2780, 73.6359, 21.7631



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

38.8857, 52.9126, 36.1806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2780, 73.6359, 21.7631 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(72, 255, 90)` looks like.

```
.text, #text, p{  
    color:rgb(72, 255, 90)  
}
```

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(72, 255, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 255, 90) }
```

Border

The CSS property to change the border of an element to XYZ 40.2780, 73.6359, 21.7631 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(72, 255, 90) }
```


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

```
.border{ border-color:rgb(72, 255, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 255, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 255, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 255, 90);  
box-shadow:4px 4px 4px 4px rgb(72, 255,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2780, 73.6359, 21.7631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 255, 90) }
```

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

```
.background{ background-color: rgb(72, 255,  
90) }
```

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