

Converting Colors

XYZ(40.3028, 71.7367, 22.3354)

Have a look what the booklet for
XYZ(40.3028, 71.7367, 22.3354)
contains.

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Color

**XYZ(40.3553, 71.7809,
22.3178)**

Conversions

Conversions Part 1

Format	Color
Hex	56FB5E
RGB	86, 251, 94
RGB Percent	34%, 98%, 37%
CMY	0.6627, 0.0157, 0.6314
CMYK	0.66, 0.00, 0.63, 0.02
HSL	123°, 95%, 66%
HSV	123°, 66%, 98%
XYZ	40.3553, 71.7809, 22.3178
YIQ	183.7670, -47.9430, -83.8070

Conversions

Conversions Part 2

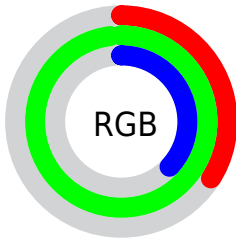
Format	Color
RYB	86, 243, 251
Decimal	5700446
CIELab	87.86, -71.88, 61.15
CIELCh	88, 94.377, 139.612
Yxy	71.7809, 0.3001, 0.5339
Android (android.graphics.Color)	4283890526 (0xFF56FB5E)
YUV	183.7670, -44.2551, -85.7417
Hunter-Lab	84.7236, -63.2437, 43.6884

Details

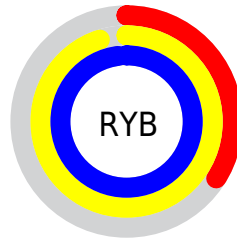
The XYZ color **40.3553, 71.7809, 22.3178** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **59.2909, 33.6369, 88.1623**, and the grayscale version is **45.6884, 48.0678, 52.3458**.

A 20% lighter version of the original color is **54.3217, 80.4622, 41.1015**, and **19.3733, 38.2613, 7.9542** is the 20% darker color. If you saturate the color by 10%, you get **37.5263, 70.4299, 17.4310**, and if you desaturate by 10%, it is **44.3302, 73.6886, 28.9914**.

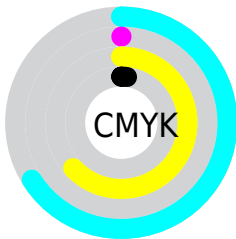
Distribution



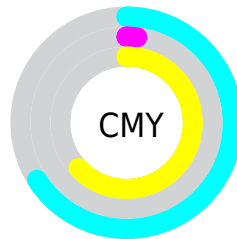
- Red (34%)
- Green (98%)
- Blue (37%)



- Red (34%)
- Yellow (95%)
- Blue (98%)



- Cyan (66%)
- Magenta (0%)
- Yellow (63%)
- Black (2%)





- Cyan (66%)
- Magenta (2%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3553, 71.7809, 22.3178 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 40.3553, 71.7809, 22.3178 by changing the saturation by 10% instead.


 40.3553, 71.7809,
22.3178


 40.3553, 71.7809,
22.3178


338.7276,
466.7786, 277.2089

 28.0011, 52.9797,
13.8901


 74.9852, 121.7450,
48.1796


 18.4670, 37.7866,
7.9064


 97.9915, 153.6767,
66.4507

 11.3875, 25.8171,
3.9482


 125.2794,
190.7540, 88.8401

 6.3973, 16.6869,
1.5970

 157.2140,
233.3613, 115.7662

 3.1311, 10.0115,
0.2886

194.1608,
281.8830, 147.6476

 1.2235, 5.4066,
0.0000

236.4851,

 0.1248, 2.4877,

336.7036, 184.9028

0.0000

284.5522,
398.2073, 227.9504

0.0000, 0.8705,
0.0000

0.0000, 0.0000,
0.0000

40.3553, 71.7809,
22.3178

40.3553, 71.7809,
22.3178

37.5263, 70.4299,
17.4310

44.3302, 73.6886,
28.9914

35.7170, 69.5678,
14.1550


49.5500, 76.1944,
37.5964


34.7809, 69.1256,
12.2866


56.1087, 79.3462,
48.2681

34.5660, 69.0241,
11.8547

64.0900, 83.1843,
61.1282

 73.5705, 87.7459,
76.2893

 84.6217, 93.0657,
93.8559

 93.7886, 97.4772,
108.4795

Harmonies

Analogous

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



54.7434, 71.7809, 9.9790



40.3553, 71.7809, 22.3178



33.9767, 71.7809, 57.9260

Triad

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



40.3553, 71.7809, 22.3178



60.7375, 71.7809, 273.6022



117.4762, 71.7809, 43.5842

Complementary

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



40.3553, 71.7809, 22.3178



59.2909, 33.6369, 88.1623

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.



120.0753, 71.7809, 102.6231



40.3553, 71.7809, 22.3178



83.7573, 71.7809, 261.9141

Square

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



40.3553, 71.7809, 22.3178



43.9125, 71.7809, 215.1190



106.6502, 71.7809, 188.6834



100.1767, 71.7809, 16.7619

Rectangle

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



40.3553, 71.7809, 22.3178



33.9130, 71.7809, 100.6604



106.6502, 71.7809, 188.6834



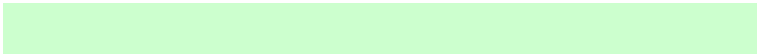
120.2232, 71.7809, 59.2857

Sweetspot

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



40.3570, 71.7839, 22.3194



71.8601, 88.8367, 72.0545



74.0107, 89.1724, 22.1155



14.7960, 18.7332, 14.4867



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.



40.3570, 71.7839, 22.3194



38.1635, 72.6544, 16.7621



45.9767, 74.0318, 51.9122



17.0515, 19.3229, 18.4718



18.1833, 36.2863, 6.3084



1.6957, 3.3654, 0.6455

Inverse Universe

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



59.2909, 33.6369, 88.1623



59.0547, 30.4632, 89.3367



49.7242, 29.8102, 37.7848



17.9545, 17.5092, 21.6163



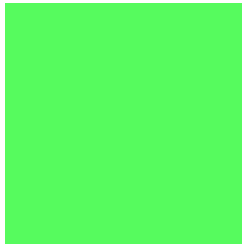
29.1040, 14.0573, 44.1178



2.7064, 1.3063, 4.1434

Previews

White Background



This preview shows how the XYZ color 40.3553, 71.7809, 22.3178 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 40.3553, 71.7809, 22.3178 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

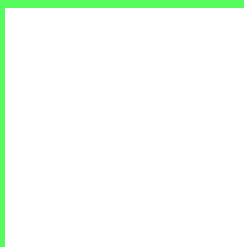
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.3553, 71.7809, 22.3178

Background



This preview shows how black text looks on a background with the XYZ color 40.3553, 71.7809, 22.3178.

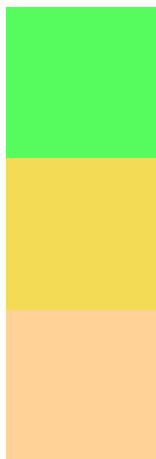


This preview shows how white text looks on a background with the XYZ color 40.3553, 71.7809,

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

40.3553, 71.7809, 22.3178

Protanopia

63.9334, 70.3736, 18.8081

Deuteranopia

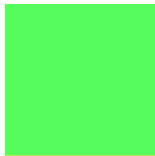
70.1202, 70.0829, 39.1098



Tritanopia

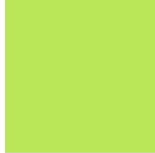
56.4998, 71.1616, 104.5236

Trichromacy



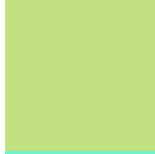
Original Color

40.3553, 71.7809, 22.3178



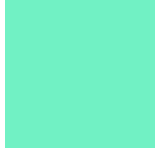
Protanomaly

50.5871, 68.2955, 19.7487



Deuteranomaly

53.4738, 67.4738, 31.3245



Tritanomaly

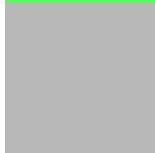
48.2292, 70.4068, 63.2725

Monochromacy



Original Color

40.3553, 71.7809, 22.3178



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

40.3545, 53.6420, 37.5052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3553, 71.7809, 22.3178 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(86, 251, 94)` looks like.

```
.text, #text, p{  
    color:rgb(86, 251, 94)  
}
```

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(86, 251, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 251, 94) }
```

Border

The CSS property to change the border of an element to XYZ 40.3553, 71.7809, 22.3178 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(86, 251, 94) }
```


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

```
.border{ border-color:rgb(86, 251, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 251, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 251, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 251, 94);  
box-shadow:4px 4px 4px 4px rgb(86, 251,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3553, 71.7809, 22.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 251, 94) }
```

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

```
.background{ background-color: rgb(86, 251,  
94) }
```

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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