

Converting Colors

XYZ(40.8980, 70.3444, 23.9464)

Have a look what the booklet for
XYZ(40.8980, 70.3444, 23.9464)
contains.

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Color

**XYZ(40.8046, 70.1335,
23.9569)**

Conversions

Conversions Part 1

Format	Color
Hex	63F766
RGB	99, 247, 102
RGB Percent	39%, 97%, 40%
CMY	0.6118, 0.0314, 0.6000
CMYK	0.60, 0.00, 0.59, 0.03
HSL	121°, 90%, 68%
HSV	121°, 60%, 97%
XYZ	40.8046, 70.1335, 23.9569
YIQ	186.2180, -41.6630, -76.4710

Conversions

Conversions Part 2

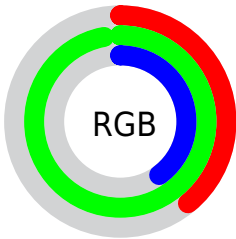
Format	Color
RYB	99, 244, 247
Decimal	6551398
CIELab	87.06, -67.04, 56.95
CIELCh	87, 87.969, 139.653
Yxy	70.1335, 0.3025, 0.5199
Android (android.graphics.Color)	4284741478 (0xFF63F766)
YUV	186.2180, -41.5195, -76.4902
Hunter-Lab	83.7457, -59.5820, 41.6611

Details

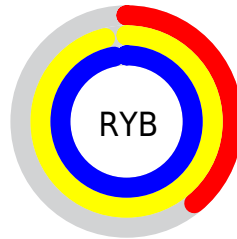
The XYZ color **40.8046, 70.1335, 23.9569** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **59.1505, 35.2304, 89.2710**, and the grayscale version is **47.0382, 49.4879, 53.8923**.

A 20% lighter version of the original color is **56.7461, 81.6357, 44.6647**, and **18.6907, 36.5924, 8.6627** is the 20% darker color. If you saturate the color by 10%, you get **37.4775, 68.5394, 18.4253**, and if you desaturate by 10%, it is **45.3102, 72.2988, 31.3745**.

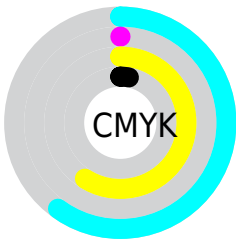
Distribution



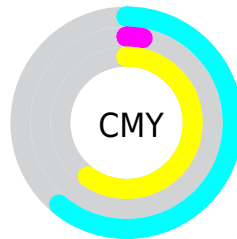
- Red (39%)
- Green (97%)
- Blue (40%)



- Red (39%)
- Yellow (96%)
- Blue (97%)



- Cyan (60%)
- Magenta (0%)
- Yellow (59%)
- Black (3%)





- Cyan (61%)
- Magenta (3%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8046, 70.1335, 23.9569 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 40.8046, 70.1335, 23.9569 by changing the saturation by 10% instead.


 40.8046, 70.1335,
23.9569


 40.8046, 70.1335,
23.9569


340.5798,
461.0186, 285.8820

 28.3534, 51.6354,
15.0897


 75.6638, 119.3991,
50.9028


 18.7341, 36.7145,
8.7351


 98.8025, 150.9354,
69.8186

 11.5811, 24.9865,
4.4743


 126.2344,
187.5865, 92.9211

 6.5293, 16.0670,
1.8890

 158.3249,
229.7369, 120.6288

 3.2132, 9.5716,
0.4857

195.4393,
277.7709, 153.3602

 1.2675, 5.1158,
0.0000

237.9431,

 0.1587, 2.3154,

332.0729, 191.5338

0.0000

286.2015,
393.0273, 235.5683

0.0000, 0.7818,
0.0000

0.0000, 0.0000,
0.0000

40.8046, 70.1335,
23.9569

40.8046, 70.1335,
23.9569

37.4775, 68.5394,
18.4253

45.3102, 72.2988,
31.3745

35.2145, 67.4550,
14.6058


51.0851, 75.0727,
40.8224


33.8874, 66.8205,
12.3006


58.2171, 78.4997,
52.4362


33.2932, 66.5371,
11.2378

66.7844, 82.6175,
66.3385

 33.2897, 66.5354,
11.2320

 76.8598, 87.4612,
82.6427

 88.5109, 93.0632,
101.4548

 92.5522, 95.0044,
108.0674

Harmonies

Analogous

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



54.2088, 70.1335, 11.6136



40.8046, 70.1335, 23.9569



34.7992, 70.1335, 57.7502

Triad

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



40.8046, 70.1335, 23.9569



59.7968, 70.1335, 251.0879



111.3410, 70.1335, 44.2189

Complementary

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



40.8046, 70.1335, 23.9569



59.1505, 35.2304, 89.2710

Split Complementary

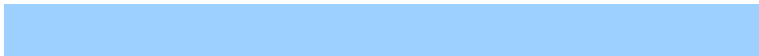
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.6981, 70.1335, 98.5995



40.8046, 70.1335, 23.9569



80.8848, 70.1335, 240.7049

Square

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



40.8046, 70.1335, 23.9569



44.1679, 70.1335, 199.5135



101.6248, 70.1335, 175.8380



95.7255, 70.1335, 18.4383

Rectangle

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



40.8046, 70.1335, 23.9569



34.7452, 70.1335, 97.0020



101.6248, 70.1335, 175.8380



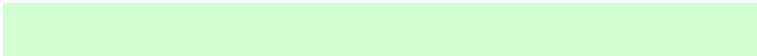
113.8172, 70.1335, 58.8819

Sweetspot

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



40.8063, 70.1364, 23.9585



73.7196, 89.7446, 74.4304



73.0095, 86.7547, 24.7018



15.1502, 18.9068, 14.9124



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.



40.8063, 70.1364, 23.9585



39.6623, 73.3845, 18.7535



46.1918, 72.2906, 52.3184



16.2959, 18.4775, 17.5763



17.6112, 35.1893, 5.9725



1.5526, 3.0947, 0.5497

Inverse Universe

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



59.1505, 35.2304, 89.2710



60.9745, 32.7998, 94.6103



50.1278, 31.6213, 41.7580



17.1983, 16.7622, 20.7906



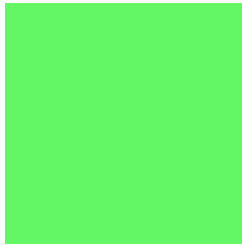
28.7681, 13.8507, 45.6148



2.5330, 1.2192, 4.0331

Previews

White Background



This preview shows how the XYZ color 40.8046, 70.1335, 23.9569 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 40.8046, 70.1335, 23.9569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

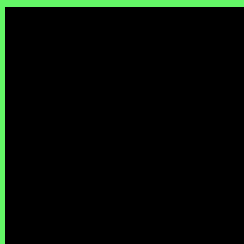
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8046, 70.1335, 23.9569

Background



This preview shows how black text looks on a background with the XYZ color 40.8046, 70.1335, 23.9569.



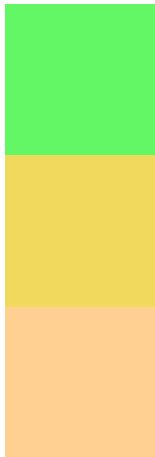
This preview shows how white text looks on a background with the XYZ color 40.8046, 70.1335,

23.9569.

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

40.8046, 70.1335, 23.9569

Protanopia

62.7238, 68.9413, 20.3570

Deuteranopia

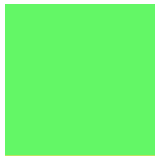
68.9067, 68.4161, 36.3619



Tritanopia

56.1036, 69.7662, 100.9517

Trichromacy



Original Color

40.8046, 70.1335, 23.9569



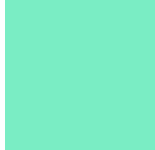
Protanomaly

50.8410, 67.1502, 21.3480



Deuteranomaly

53.3724, 65.8333, 30.6630



Tritanomaly

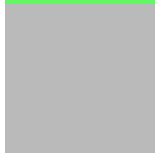
48.2740, 68.6915, 62.9390

Monochromacy



Original Color

40.8046, 70.1335, 23.9569



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

41.7987, 54.3483, 39.2976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8046, 70.1335, 23.9569 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(99, 247, 102)` looks like.

```
.text, #text, p{  
    color:rgb(99, 247, 102)  
}
```

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(99, 247, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 247, 102) }
```

Border

The CSS property to change the border of an element to XYZ 40.8046, 70.1335, 23.9569 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(99, 247, 102) }
```


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

```
.border{ border-color:rgb(99, 247, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 247, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 247, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 247, 102);  
box-shadow:4px 4px 4px 4px rgb(99, 247,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8046, 70.1335, 23.9569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 247, 102) }
```

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

```
.background{ background-color: rgb(99, 247,  
102) }
```

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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