

Converting Colors

XYZ(40.6384, 73.7750, 23.8938)

Have a look what the booklet for
XYZ(40.6384, 73.7750, 23.8938)
contains.

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Color

**XYZ(40.6107, 73.7604,
23.9012)**

Conversions

Conversions Part 1

Format	Color
Hex	47FF63
RGB	71, 255, 99
RGB Percent	28%, 100%, 39%
CMY	0.7216, 0.0000, 0.6117
CMYK	0.72, 0.00, 0.61, 0.00
HSL	129°, 100%, 64%
HSV	129°, 72%, 100%
XYZ	40.6107, 73.7604, 23.9012
YIQ	182.2000, -59.5880, -87.5240

Conversions

Conversions Part 2

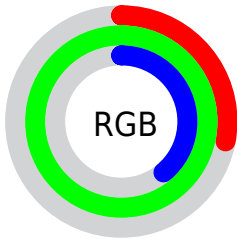
Format	Color
RYB	71, 231, 255
Decimal	4718435
CIELab	88.81, -75.17, 60.06
CIELCh	89, 96.218, 141.377
Yxy	73.7604, 0.2937, 0.5334
Android (android.graphics.Color)	4282908515 (0xFF47FF63)
YUV	182.2000, -41.0176, -97.5224
Hunter-Lab	85.8839, -65.8920, 43.6185

Details

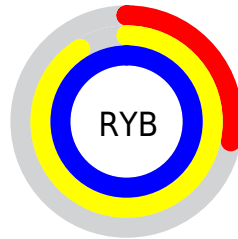
The XYZ color **40.6107, 73.7604, 23.9012** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **57.3582, 31.3127, 75.6920**, and the grayscale version is **44.8127, 47.1465, 51.3425**.

A 20% lighter version of the original color is **52.9204, 79.6927, 43.1649**, and **20.3842, 40.0997, 8.8561** is the 20% darker color. If you saturate the color by 10%, you get **38.2176, 72.6306, 19.0976**, and if you desaturate by 10%, it is **44.0651, 75.4054, 30.2007**.

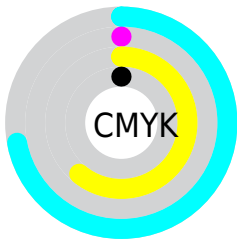
Distribution



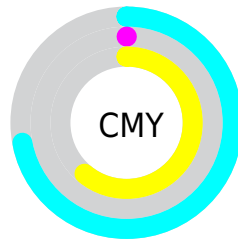
- Red (28%)
- Green (100%)
- Blue (39%)



- Red (28%)
- Yellow (91%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (72%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6107, 73.7604, 23.9012 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 40.6107, 73.7604, 23.9012 by changing the saturation by 10% instead.


 40.6107, 73.7604,
23.9012


 40.6107, 73.7604,
23.9012


339.7813,
473.6460, 285.5911


 28.2013, 54.5980,
15.0488


 75.3710, 124.5561,
50.8107

 18.6187, 39.0799,
8.7067


 98.4527, 156.9581,
69.7050

 11.4975, 26.8219,
4.4562


 125.8225,
194.5422, 92.7836

 6.4722, 17.4395,
1.8788

 157.8458,
237.6926, 120.4651

 3.1777, 10.5484,
0.4792

194.8880,
286.7938, 153.1681

 1.2484, 5.7640,
0.0000

237.3145,

 0.1441, 2.7021,

342.2302, 191.3110

0.0000

285.4904,
404.3861, 235.3125

0.0000, 0.9783,
0.0000

0.0000, 0.0000,
0.0000

40.6107, 73.7604,
23.9012

40.6107, 73.7604,
23.9012

38.2176, 72.6306,
19.0976

44.0651, 75.4054,
30.2007


36.7566, 71.9520,
15.6624


48.6871, 77.6180,
38.1027


36.1230, 71.6652,
13.8317


54.5713, 80.4449,
47.7080

61.8020, 83.9277,
59.1082

 70.4561, 88.1041,
72.3884

 80.6049, 93.0092,
87.6280

 92.3147, 98.6756,
104.9022

 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.



55.0141, 73.7604, 10.2927



40.6107, 73.7604, 23.9012



34.4902, 73.7604, 62.5726

Triad

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



40.6107, 73.7604, 23.9012



63.6030, 73.7604, 285.6403



120.6397, 73.7604, 42.0395

Complementary

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



40.6107, 73.7604, 23.9012



57.3582, 31.3127, 75.6920

Split Complementary

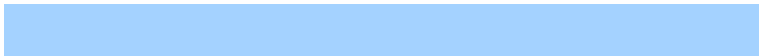
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



124.3759, 73.7604, 101.1236



40.6107, 73.7604, 23.9012



87.7352, 73.7604, 268.7970

Square

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



40.6107, 73.7604, 23.9012



45.6989, 73.7604, 228.0157



111.2500, 73.7604, 189.9518



101.9494, 73.7604, 15.9971

Rectangle

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



40.6107, 73.7604, 23.9012



34.7236, 73.7604, 108.3702



111.2500, 73.7604, 189.9518



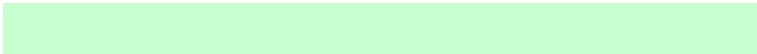
123.8289, 73.7604, 57.5709

Sweetspot

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



40.6111, 73.7606, 23.9024



70.6028, 88.1749, 72.6108



68.7024, 88.3710, 19.3979



14.5773, 18.6149, 14.7284



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.



40.6111, 73.7606, 23.9024



37.4025, 72.2500, 17.2709



47.7188, 76.6037, 61.3312



17.8842, 20.2132, 19.6933



18.9085, 37.4600, 7.4032



1.8725, 3.6599, 0.8864

Inverse Universe

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



57.3582, 31.3127, 75.6920



54.8707, 27.5891, 71.0053



47.8949, 27.5274, 25.8591



18.6669, 18.2501, 22.1288



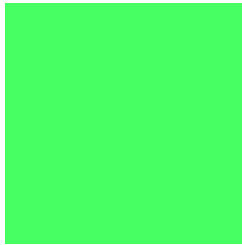
28.0832, 13.7226, 35.4180



2.7651, 1.3484, 3.6105

Previews

White Background



This preview shows how the XYZ color 40.6107, 73.7604, 23.9012 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 40.6107, 73.7604, 23.9012 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 40.6107, 73.7604, 23.9012

Background



This preview shows how black text looks on a background with the XYZ color 40.6107, 73.7604, 23.9012.

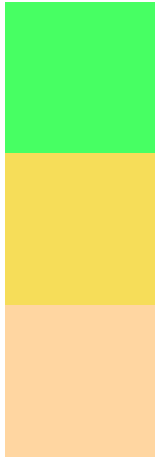


This preview shows how white text looks on a background with the XYZ color 40.6107, 73.7604,

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

40.6107, 73.7604, 23.9012

Protanopia

65.6657, 72.0270, 19.8928

Deuteranopia

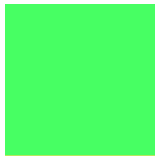
71.7196, 71.9263, 43.8214



Tritanopia

58.1657, 72.8567, 105.6048

Trichromacy



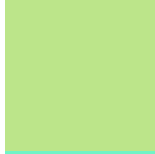
Original Color

40.6107, 73.7604, 23.9012



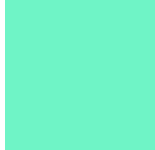
Protanomaly

50.4061, 69.0132, 21.0201



Deuteranomaly

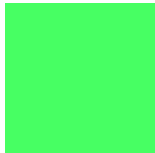
53.3458, 68.5650, 34.4675



Tritanomaly

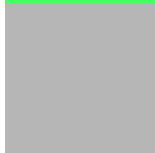
49.0993, 72.1581, 64.7662

Monochromacy



Original Color

40.6107, 73.7604, 23.9012



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

39.6233, 53.6187, 37.9668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6107, 73.7604, 23.9012 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(71, 255, 99)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 99)  
}
```

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(71, 255, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 99) }
```

Border

The CSS property to change the border of an element to XYZ 40.6107, 73.7604, 23.9012 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(71, 255, 99) }
```


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

```
.border{ border-color:rgb(71, 255, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 255, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 99);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6107, 73.7604, 23.9012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 99) }
```

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

```
.background{ background-color: rgb(71, 255,  
99) }
```

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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