

Converting Colors

XYZ(40.6142, 73.6193, 30.3597)

Have a look what the booklet for
XYZ(40.6142, 73.6193, 30.3597)
contains.

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Color

**XYZ(40.6381, 73.6289,
30.4823)**

Conversions

Conversions Part 1

Format	Color
Hex	33FF7A
RGB	51, 255, 122
RGB Percent	20%, 100%, 48%
CMY	0.8000, 0.0000, 0.5216
CMYK	0.80, 0.00, 0.52, 0.00
HSL	141°, 100%, 60%
HSV	141°, 80%, 100%
XYZ	40.6381, 73.6289, 30.4823
YIQ	178.8420, -78.8910, -84.6110

Conversions

Conversions Part 2

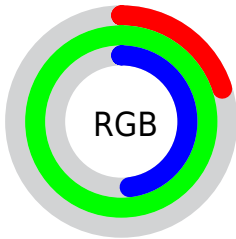
Format	Color
RYB	51, 202, 255
Decimal	3407738
CIELab	88.75, -74.82, 49.76
CIELCh	89, 89.856, 146.372
Yxy	73.6289, 0.2807, 0.5087
Android (android.graphics.Color)	4281597818 (0xFF33FF7A)
YUV	178.8420, -28.0231, -112.1174
Hunter-Lab	85.8073, -65.6256, 39.0028

Details

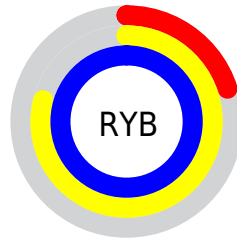
The XYZ color **40.6381, 73.6289, 30.4823** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **51.0758, 27.0888, 47.8844**, and the grayscale version is **42.9387, 45.1749, 49.1954**.

A 20% lighter version of the original color is **53.0559, 79.5196, 54.1475**, and **21.0404, 40.3622, 12.3120** is the 20% darker color. If you saturate the color by 10%, you get **38.7428, 72.7609, 25.4692**, and if you desaturate by 10%, it is **43.4138, 74.9305, 36.4589**.

Distribution



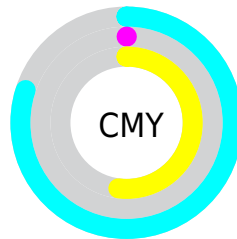
- Red (20%)
- Green (100%)
- Blue (48%)



- Red (20%)
- Yellow (79%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6381, 73.6289, 30.4823 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 40.6381, 73.6289, 30.4823 by changing the saturation by 10% instead.


 40.6381, 73.6289,
30.4823


 40.6381, 73.6289,
30.4823


339.8943,
473.1916, 318.4231


 28.2228, 54.4904,
19.9498


 75.4124, 124.3696,
61.4941


 18.6350, 38.9938,
12.1748


 98.5021, 156.7406,
82.8104

 11.5093, 26.7549,
6.7389


 125.8807,
194.2911, 108.5585

 6.4803, 17.3893,
3.2234

 157.9136,
237.4057, 139.1568

 3.1827, 10.5124,
1.2098

194.9660,
286.4686, 175.0238

 1.2511, 5.7400,
0.0000

237.4033,

 0.1461, 2.6876,

341.8643, 216.5782

0.0000

285.5910,
403.9771, 264.2385

0.0000, 0.9709,
0.0000

0.0000, 0.0000,
0.0000

40.6381, 73.6289,
30.4823

40.6381, 73.6289,
30.4823

38.7428, 72.7609,
25.4692

43.4138, 74.9305,
36.4589

37.5529, 72.2372,
21.3610

47.1777, 76.7201,
43.4440

37.5527, 72.2371,
21.3604

52.0224, 79.0447,
51.4838

58.0291, 81.9453,
60.6205

■ 65.2710, 85.4587,
70.8938

■ 73.8148, 89.6187,
82.3415

■ 83.7225, 94.4564,
94.9996

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.



53.0146, 73.6289, 13.6485



40.6381, 73.6289, 30.4823



36.0166, 73.6289, 72.8328

Triad

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



40.6381, 73.6289, 30.4823



67.3711, 73.6289, 268.7089



114.4886, 73.6289, 37.8973

Complementary

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



40.6381, 73.6289, 30.4823



51.0758, 27.0888, 47.8844

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.



120.5123, 73.6289, 87.9828



40.6381, 73.6289, 30.4823



90.2311, 73.6289, 242.2723

Square

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



40.6381, 73.6289, 30.4823



49.2991, 73.6289, 226.7862



110.8566, 73.6289, 166.3768



95.7657, 73.6289, 16.1092

Rectangle

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



40.6381, 73.6289, 30.4823



37.0607, 73.6289, 118.8505



110.8566, 73.6289, 166.3768



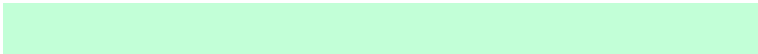
118.2133, 73.6289, 50.9489

Sweetspot

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



40.6385, 73.6292, 30.4835



70.2355, 87.8743, 77.6172



56.8515, 82.3240, 16.0262



14.3898, 18.4955, 15.7474



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.



40.6385, 73.6292, 30.4835



37.9715, 72.4194, 22.8993



50.1767, 77.4444, 80.7108



18.0326, 20.2726, 20.4745



19.6854, 37.7708, 11.4947



1.9660, 3.6973, 1.3786

Inverse Universe

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



51.0758, 27.0888, 47.8844



48.5874, 24.3761, 40.0748



44.0639, 24.2840, 10.9599



18.5084, 18.1867, 21.2943



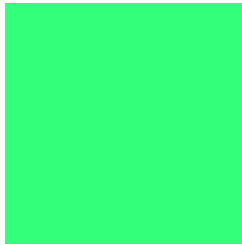
25.2305, 12.5815, 20.3959



2.5083, 1.2457, 2.2579

Previews

White Background



This preview shows how the XYZ color 40.6381, 73.6289, 30.4823 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 40.6381, 73.6289, 30.4823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

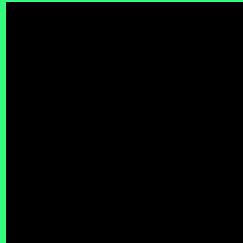
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6381, 73.6289, 30.4823

Background



This preview shows how black text looks on a background with the XYZ color 40.6381, 73.6289, 30.4823.

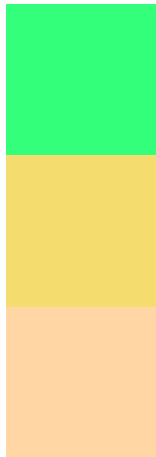


This preview shows how white text looks on a background with the XYZ color 40.6381, 73.6289,

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

40.6381, 73.6289, 30.4823

Protanopia

65.9792, 72.0718, 25.1856

Deuteranopia

71.9874, 72.0335, 45.2317



Tritanopia

57.8305, 73.1149, 105.6723

Trichromacy



Original Color

40.6381, 73.6289, 30.4823



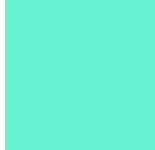
Protanomaly

49.6317, 68.4914, 26.5239



Deuteranomaly

52.5002, 68.0323, 38.7983



Tritanomaly

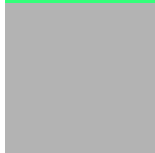
48.9800, 71.9731, 70.3422

Monochromacy



Original Color

40.6381, 73.6289, 30.4823



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

38.0001, 51.9998, 40.3819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6381, 73.6289, 30.4823 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(51, 255, 122)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 122)  
}
```

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(51, 255, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 122) }
```

Border

The CSS property to change the border of an element to XYZ 40.6381, 73.6289, 30.4823 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(51, 255, 122) }
```


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

```
.border{ border-color:rgb(51, 255, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6381, 73.6289, 30.4823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 122) }
```

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

```
.background{ background-color: rgb(51, 255,  
122) }
```

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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