

Converting Colors

XYZ(39.7040, 73.2056, 27.8096)

Have a look what the booklet for
XYZ(39.7040, 73.2056, 27.8096)
contains.

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Color

**XYZ(39.7521, 73.2271,
27.9587)**

Conversions

Conversions Part 1

Format	Color
Hex	2AFF72
RGB	42, 255, 114
RGB Percent	16%, 100%, 45%
CMY	0.8353, 0.0000, 0.5529
CMYK	0.84, 0.00, 0.55, 0.00
HSL	140°, 100%, 58%
HSV	140°, 84%, 100%
XYZ	39.7521, 73.2271, 27.9587
YIQ	175.2390, -81.6870, -89.0070

Conversions

Conversions Part 2

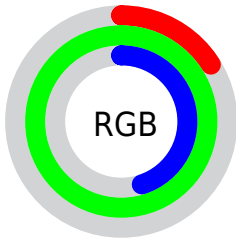
Format	Color
RYB	42, 201, 255
Decimal	2817906
CIELab	88.56, -76.75, 53.15
CIELCh	89, 93.359, 145.299
Yxy	73.2271, 0.2821, 0.5196
Android (android.graphics.Color)	4281007986 (0xFF2AFF72)
YUV	175.2390, -30.1908, -116.8506
Hunter-Lab	85.5728, -66.8319, 40.5295

Details

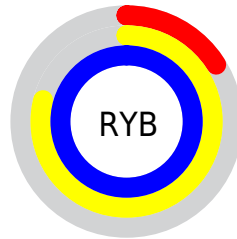
The XYZ color **39.7521, 73.2271, 27.9587** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **50.6154, 26.3351, 47.2153**, and the grayscale version is **41.0538, 43.1918, 47.0359**.

A 20% lighter version of the original color is **51.6738, 78.8966, 50.0412**, and **20.7819, 40.2587, 10.9504** is the 20% darker color. If you saturate the color by 10%, you get **38.1459, 72.5000, 23.3230**, and if you desaturate by 10%, it is **42.1983, 74.3667, 33.5617**.

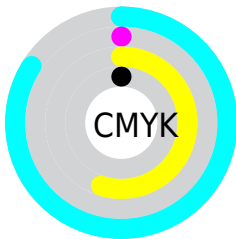
Distribution



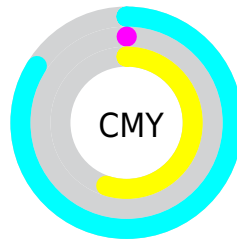
- Red (16%)
- Green (100%)
- Blue (45%)



- Red (16%)
- Yellow (79%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)



- Cyan (84%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7521, 73.2271, 27.9587 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 39.7521, 73.2271, 27.9587 by changing the saturation by 10% instead.

39.7521, 73.2271,
27.9587

39.7521, 73.2271,
27.9587

336.2300,
471.8015, 306.1752

27.5287, 54.1617,
18.0558

74.0726, 123.7996,
57.4408

18.1093, 38.7309,
10.8202

96.9004, 156.0754,
77.8570

11.1286, 26.5505,
5.8334

123.9937,
193.5235, 102.6148

6.2214, 17.2359,
2.6769

155.7178,
236.5282, 132.1326

3.0221, 10.4028,
0.9318

192.4382,
285.4740, 166.8290

1.1655, 5.6669,
0.0000

234.5201,

0.0788, 2.6436,

340.7452, 207.1226

0.0000

282.3289,
402.7262, 253.4318

0.0000, 0.9486,
0.0000

0.0000, 0.0000,
0.0000

39.7521, 73.2271,
27.9587

39.7521, 73.2271,
27.9587

38.1459, 72.5000,
23.3230


42.1983, 74.3667,
33.5617


37.4477, 72.1951,
20.8075


45.6013, 75.9780,
40.1810


50.0591, 78.1106,
47.8663

55.6568, 80.8074,
56.6628

 62.4704, 84.1068,
66.6128

 70.5691, 88.0436,
77.7567

 80.0170, 92.6500,
90.1327

 90.8734, 97.9559,
103.7772

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.



52.7040, 73.2271, 11.9906



39.7521, 73.2271, 27.9587



34.7793, 73.2271, 70.0045

Triad

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



39.7521, 73.2271, 27.9587



66.1152, 73.2271, 277.8768



116.4866, 73.2271, 37.6459

Complementary

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



39.7521, 73.2271, 27.9587



50.6154, 26.3351, 47.2153

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.



122.2210, 73.2271, 90.3210



39.7521, 73.2271, 27.9587



89.7690, 73.2271, 252.3482

Square

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



39.7521, 73.2271, 27.9587



47.7659, 73.2271, 231.0902



111.5607, 73.2271, 173.0885



97.2424, 73.2271, 15.0969

Rectangle

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



39.7521, 73.2271, 27.9587



35.6603, 73.2271, 117.0873



111.5607, 73.2271, 173.0885



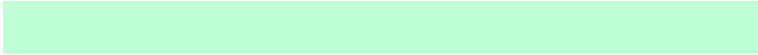
120.2128, 73.2271, 51.3092

Sweetspot

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



39.7525, 73.2273, 27.9599



69.2936, 87.4227, 76.0397



55.9455, 81.8777, 15.0462



14.2052, 18.4073, 15.4215



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.



39.7525, 73.2273, 27.9599



37.4477, 72.1951, 20.8075



49.5672, 77.1532, 79.6435



18.0249, 20.2695, 20.4340



19.6294, 37.7483, 11.1995



1.9598, 3.6949, 1.3464

Inverse Universe

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



50.6154, 26.3351, 47.2153



48.3828, 24.1171, 39.5434



43.4255, 23.4592, 9.3540



18.5164, 18.1899, 21.3364



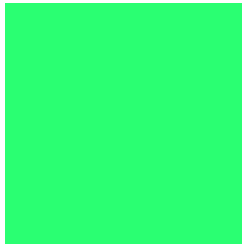
25.3536, 12.6307, 21.0443



2.5196, 1.2502, 2.3179

Previews

White Background



This preview shows how the XYZ color 39.7521, 73.2271, 27.9587 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 39.7521, 73.2271, 27.9587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

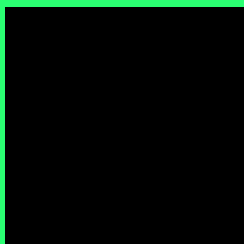
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

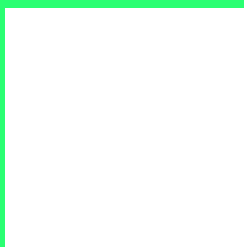
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.7521, 73.2271, 27.9587

Background



This preview shows how black text looks on a background with the XYZ color 39.7521, 73.2271, 27.9587.

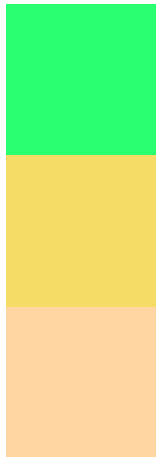


This preview shows how white text looks on a background with the XYZ color 39.7521, 73.2271,

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

39.7521, 73.2271, 27.9587

Protanopia

65.3496, 71.3988, 23.1690

Deuteranopia

71.4673, 71.4217, 43.7373



Tritanopia

57.2287, 72.8047, 105.6442

Trichromacy



Original Color

39.7521, 73.2271, 27.9587



Protanomaly

48.5873, 67.9973, 24.4739



Deuteranomaly

51.1375, 66.9654, 36.6159



Tritanomaly

47.9691, 71.4939, 68.3982

Monochromacy



Original Color

39.7521, 73.2271, 27.9587



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

36.0950, 49.9977, 37.8851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7521, 73.2271, 27.9587 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(42, 255, 114)` looks like.

```
.text, #text, p{  
    color:rgb(42, 255, 114)  
}
```

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(42, 255, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 255, 114) }
```

Border

The CSS property to change the border of an element to XYZ 39.7521, 73.2271, 27.9587 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(42, 255, 114) }
```


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

```
.border{ border-color:rgb(42, 255, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 255, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(42, 255,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7521, 73.2271, 27.9587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 255, 114) }
```

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

```
.background{ background-color: rgb(42, 255,  
114) }
```

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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