

Converting Colors

XYZ(37.9187, 72.4663, 19.5442)

Have a look what the booklet for
XYZ(37.9187, 72.4663, 19.5442)
contains.

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Color

**XYZ(37.9355, 72.4743,
19.5789)**

Conversions

Conversions Part 1

Format	Color
Hex	24FF50
RGB	36, 255, 80
RGB Percent	14%, 100%, 31%
CMY	0.8588, 0.0000, 0.6863
CMYK	0.86, 0.00, 0.69, 0.00
HSL	132°, 100%, 57%
HSV	132°, 86%, 100%
XYZ	37.9355, 72.4743, 19.5789
YIQ	169.5690, -74.3490, -100.8530

Conversions

Conversions Part 2

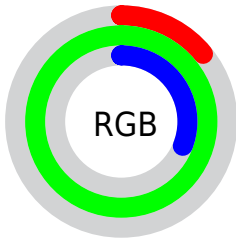
Format	Color
RYB	36, 218, 255
Decimal	2424656
CIELab	88.20, -80.99, 66.76
CIELCh	88, 104.959, 140.499
Yxy	72.4743, 0.2918, 0.5575
Android (android.graphics.Color)	4280614736 (0xFF24FF50)
YUV	169.5690, -44.1575, -117.1400
Hunter-Lab	85.1318, -69.4395, 45.9566

Details

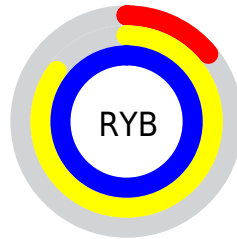
The XYZ color **37.9355, 72.4743, 19.5789** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed green. A complement of this color would be **53.6281, 27.2247, 64.0531**, and the grayscale version is **38.2333, 40.2244, 43.8044**.

A 20% lighter version of the original color is **48.8795, 77.7618, 36.1002**, and **19.7564, 39.4864, 6.6665** is the 20% darker color. If you saturate the color by 10%, you get **36.6973, 71.9101, 16.1697**, and if you desaturate by 10%, it is **40.0342, 73.4556, 24.2220**.

Distribution



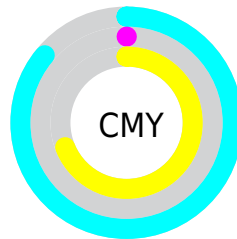
- Red (14%)
- Green (100%)
- Blue (31%)



- Red (14%)
- Yellow (85%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)





- Cyan (86%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9355, 72.4743, 19.5789 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 37.9355, 72.4743, 19.5789 by changing the saturation by 10% instead.


 37.9355, 72.4743,
19.5789


 37.9355, 72.4743,
19.5789


328.6288,
469.1908, 262.1546


 26.1096, 53.5462,
11.9083


 71.3138, 122.7306,
43.5597


 17.0388, 38.2390,
6.5595


 93.5969, 154.8276,
60.7070

 10.3576, 26.1682,
3.1139


 120.0965,
192.0831, 81.8502

 5.7008, 16.9495,
1.1531

 151.1779,
234.8814, 107.4079

 2.7029, 10.1985,
0.0000

187.2065,
283.6069, 137.7987

 0.9987, 5.5308,
0.0000

228.5476,

 0.0000, 2.5619,

338.6441, 173.4410

0.0000

275.5666,
400.3772, 214.7535

■ 0.0000, 0.9076,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.9355, 72.4743,
19.5789

■ 37.9355, 72.4743,
19.5789

■ 36.6973, 71.9101,
16.1697


■ 40.0342, 73.4556,
24.2220


■ 36.3628, 71.7611,
15.0944


■ 43.1269, 74.9208,
30.1996


■ 47.3237, 76.9248,
37.6054

■ 52.7194, 79.5146,
46.5238

 59.3987, 82.7322,
57.0326

 67.4382, 86.6156,
69.2042

 76.9085, 91.1998,
83.1065

 87.8752, 96.5173,
98.8037

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.



53.3183, 72.4743, 7.3235



37.9355, 72.4743, 19.5789



31.3877, 72.4743, 58.2134

Triad

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



37.9355, 72.4743, 19.5789



61.2168, 72.4743, 309.0333



124.7460, 72.4743, 39.7098

Complementary

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



37.9355, 72.4743, 19.5789



53.6281, 27.2247, 64.0531

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.



128.3394, 72.4743, 104.0140



37.9355, 72.4743, 19.5789



87.2193, 72.4743, 292.2975

Square

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



37.9355, 72.4743, 19.5789



42.5053, 72.4743, 240.9797



113.2735, 72.4743, 203.6367



104.3971, 72.4743, 13.0707

Rectangle

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



37.9355, 72.4743, 19.5789



31.4744, 72.4743, 106.8948



113.2735, 72.4743, 203.6367



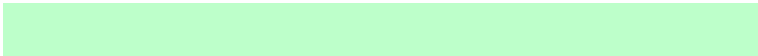
128.1182, 72.4743, 56.2962

Sweetspot

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



37.9358, 72.4744, 19.5801



67.3352, 86.5658, 69.0508



62.9998, 85.5258, 14.8568



13.7837, 18.2247, 13.8376



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.



37.9358, 72.4744, 19.5801



36.3628, 71.7611, 15.0944



45.7055, 75.5823, 60.4950



17.9208, 20.2278, 19.8858



19.0422, 37.5135, 8.1074



1.8908, 3.6672, 0.9826

Inverse Universe

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



53.6281, 27.2247, 64.0531



52.1104, 25.6082, 59.1730



44.2543, 23.4752, 14.6913



18.6270, 18.2341, 21.9191



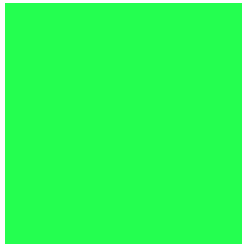
27.2838, 13.4028, 31.2084



2.6944, 1.3201, 3.2379

Previews

White Background



This preview shows how the XYZ color 37.9355, 72.4743, 19.5789 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 37.9355, 72.4743, 19.5789 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 37.9355, 72.4743, 19.5789

Background



This preview shows how black text looks on a background with the XYZ color 37.9355, 72.4743, 19.5789.

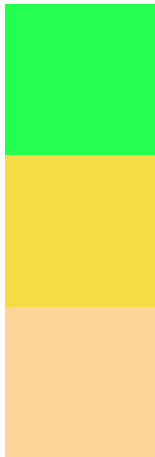


This preview shows how white text looks on a background with the XYZ color 37.9355, 72.4743,

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

37.9355, 72.4743, 19.5789

Protanopia

64.0932, 70.5177, 16.0276

Deuteranopia

70.4510, 70.6140, 39.6225



Tritanopia

56.2193, 71.8533, 105.5137

Trichromacy



Original Color

37.9355, 72.4743, 19.5789



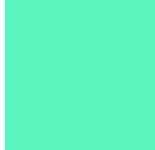
Protanomaly

46.4548, 66.6427, 16.8935



Deuteranomaly

49.1885, 66.1071, 29.9061



Tritanomaly

45.9711, 70.6366, 60.5015

Monochromacy



Original Color

37.9355, 72.4743, 19.5789



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

33.2872, 47.6444, 31.1088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9355, 72.4743, 19.5789 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(36, 255, 80)` looks like.

```
.text, #text, p{  
    color:rgb(36, 255, 80)  
}
```

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(36, 255, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 255, 80) }
```

Border

The CSS property to change the border of an element to XYZ 37.9355, 72.4743, 19.5789 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(36, 255, 80) }
```


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

```
.border{ border-color:rgb(36, 255, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 255, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 255, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 255, 80);  
box-shadow:4px 4px 4px 4px rgb(36, 255,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9355, 72.4743, 19.5789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 255, 80) }
```

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

```
.background{ background-color: rgb(36, 255,  
80) }
```

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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