

Converting Colors

XYZ(47.3161, 77.2003, 24.9777)

Have a look what the booklet for
XYZ(47.3161, 77.2003, 24.9777)
contains.

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Color

**XYZ(47.3642, 77.2251,
24.9800)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 82FF66 |
| RGB | 130, 255, 102 |
| RGB Percent | 51%, 100%, 40% |
| CMY | 0.4902, 0.0000, 0.6000 |
| CMYK | 0.49, 0.00, 0.60, 0.00 |
| HSL | 109°, 100%, 70% |
| HSV | 109°, 60%, 100% |
| XYZ | 47.3642, 77.2251, 24.9800 |
| YIQ | 200.1830, -25.3870, -74.0830 |

Conversions

Conversions Part 2

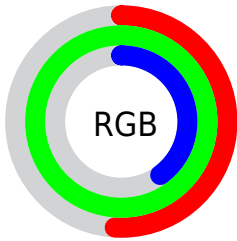
| Format | Color |
|-------------------------------------|--|
| RYB | 102, 255, 227 |
| Decimal | 8585062 |
| CIELab | 90.43, -62.32, 61.06 |
| CIELCh | 90, 87.246, 135.588 |
| Yxy | 77.2251, 0.3167, 0.5163 |
| Android (android.graphics.Color) | 4286775142 (0xFF82FF66) |
| YUV | 200.1830, -48.4042, -61.5505 |
| Hunter-Lab | 87.8778, -57.5786, 44.6608 |

Details

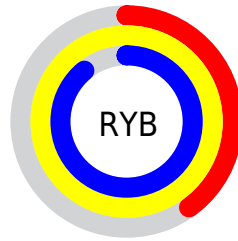
The XYZ color **47.3642, 77.2251, 24.9800** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **54.4817, 33.0552, 98.1165**, and the grayscale version is **55.3128, 58.1934, 63.3726**.

A 20% lighter version of the original color is **63.0810, 84.9015, 44.9612**, and **22.6199, 41.2458, 9.2517** is the 20% darker color. If you saturate the color by 10%, you get **43.4093, 75.3106, 19.1783**, and if you desaturate by 10%, it is **52.3555, 79.6290, 32.8621**.

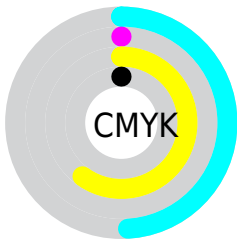
Distribution



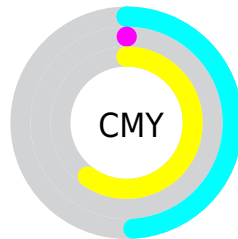
- Red (51%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (89%)



- Cyan (49%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3642, 77.2251, 24.9800 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 47.3642, 77.2251, 24.9800 by changing the saturation by 10% instead.


 47.3642, 77.2251,
24.9800


 47.3642, 77.2251,
24.9800


366.8911,
485.5312, 291.1828

 33.5328, 57.4376,
15.8433


 85.4724, 129.4572,
52.5885


 22.6961, 41.3567,
9.2602


 110.4800,
162.6706, 71.8973

 14.4887, 28.5979,
4.8121


 139.9437,
201.1281, 95.4340

 8.5453, 18.7769,
2.0807

 174.2288,
245.2141, 123.6169

 4.5006, 11.5092,
0.6042

213.7008,
295.3131, 156.8647

 1.9890, 6.4104,
0.0000

258.7249,

 0.6278, 3.0962,

351.8093, 195.5960

0.0000

309.6665,
415.0872, 240.2291

0.0000, 1.1822,
0.0000

0.0000, 0.0471,
0.0000

47.3642, 77.2251,
24.9800

47.3642, 77.2251,
24.9800

43.4093, 75.3106,
19.1783

52.3555, 79.6290,
32.8621

40.4137, 73.8500,
15.2570


58.4507, 82.5532,
42.9927


38.2900, 72.8034,
12.9829

65.7123, 86.0268,
55.5271

36.9169, 72.1164,
11.9743

74.1978, 90.0763,
70.6055

 36.9167, 72.1163,
11.9741

 83.9610, 94.7266,
88.3576

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.



62.7114, 77.2251, 13.3887



47.3642, 77.2251, 24.9800



39.8508, 77.2251, 57.6260

Triad

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



47.3642, 77.2251, 24.9800



63.4622, 77.2251, 261.9621



121.5814, 77.2251, 55.7969

Complementary

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



47.3642, 77.2251, 24.9800



54.4817, 33.0552, 98.1165

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.



121.8932, 77.2251, 117.6096



47.3642, 77.2251, 24.9800



85.2392, 77.2251, 260.6050

Square

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



47.3642, 77.2251, 24.9800



47.8197, 77.2251, 202.1580



107.5649, 77.2251, 199.0493



106.7824, 77.2251, 24.2128

Rectangle

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



47.3642, 77.2251, 24.9800



39.1108, 77.2251, 96.3137



107.5649, 77.2251, 199.0493



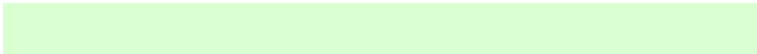
123.4690, 77.2251, 72.9378

Sweetspot

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



47.3645, 77.2253, 24.9812



76.0448, 90.9567, 73.9349



71.0942, 77.1307, 23.7122



15.7046, 19.1958, 14.7949



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.



47.3645, 77.2253, 24.9812



42.7354, 74.9831, 18.2496



46.7816, 76.5617, 41.3581



18.0815, 20.3279, 19.1150



19.3784, 37.7280, 6.2609



1.9663, 3.7144, 0.6133

Inverse Universe

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



54.4817, 33.0552, 98.1165



50.2707, 27.2132, 97.2108



57.1995, 35.2468, 62.5330



18.4475, 18.1225, 22.7756



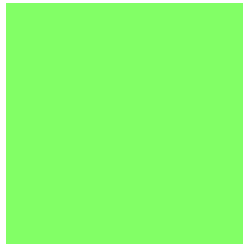
23.1911, 10.8659, 50.3096



2.3389, 1.0996, 4.9023

Previews

White Background



This preview shows how the XYZ color 47.3642, 77.2251, 24.9800 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 47.3642, 77.2251, 24.9800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

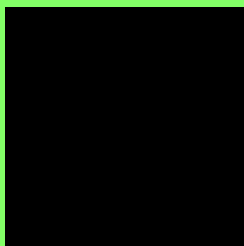
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

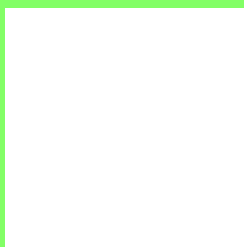
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.3642, 77.2251, 24.9800

Background



This preview shows how black text looks on a background with the XYZ color 47.3642, 77.2251, 24.9800.

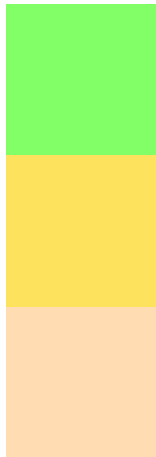


This preview shows how white text looks on a background with the XYZ color 47.3642, 77.2251,

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

47.3642, 77.2251, 24.9800

Protanopia

69.3170, 75.8785, 21.3485

Deuteranopia

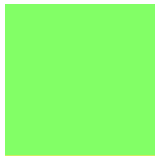
74.7690, 75.6207, 52.2505



Tritanopia

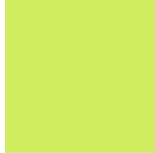
64.9867, 76.8041, 106.0072

Trichromacy



Original Color

47.3642, 77.2251, 24.9800



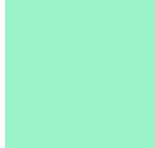
Protanomaly

58.4079, 74.8228, 22.4302



Deuteranomaly

61.2223, 74.1815, 39.9459



Tritanomaly

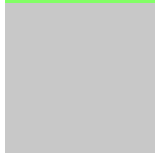
56.1771, 75.7935, 65.7016

Monochromacy



Original Color

47.3642, 77.2251, 24.9800



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

49.9732, 62.9807, 44.6446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3642, 77.2251, 24.9800 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(130, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 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(130, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 47.3642, 77.2251, 24.9800 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(130, 255, 102) }
```


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

```
.border{ border-color:rgb(130, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3642, 77.2251, 24.9800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 102) }
```

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

```
.background{ background-color: rgb(130,  
255, 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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