

Converting Colors

XYZ(47.3626, 77.2387, 24.3298)

Have a look what the booklet for
XYZ(47.3626, 77.2387, 24.3298)
contains.

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Color

**XYZ(47.3722, 77.2461,
24.2176)**

Conversions

Conversions Part 1

Format	Color
Hex	83FF63
RGB	131, 255, 99
RGB Percent	51%, 100%, 39%
CMY	0.4863, 0.0000, 0.6117
CMYK	0.49, 0.00, 0.61, 0.00
HSL	108°, 100%, 69%
HSV	108°, 61%, 100%
XYZ	47.3722, 77.2461, 24.2176
YIQ	200.1400, -23.8280, -74.8040

Conversions

Conversions Part 2

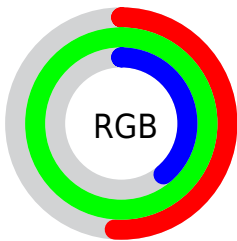
Format	Color
R_{YB}	99, 255, 223
Decimal	8650595
CIE _{Lab}	90.43, -62.34, 62.33
CIE _{LCh}	90, 88.157, 135.005
Yxy	77.2461, 0.3183, 0.5190
Android (android.graphics.Color)	4286840675 (0xFF83FF63)
YUV	200.1400, -49.8620, -60.6358
Hunter-Lab	87.8898, -57.5964, 45.1858

Details

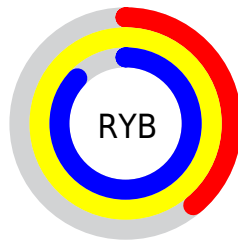
The XYZ color **47.3722, 77.2461, 24.2176** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **52.9450, 31.8332, 97.9617**, and the grayscale version is **55.2942, 58.1738, 63.3513**.

A 20% lighter version of the original color is **63.1623, 84.9629, 44.0808**, and **22.6812, 41.2859, 8.8714** is the 20% darker color. If you saturate the color by 10%, you get **43.5011, 75.3698, 18.6465**, and if you desaturate by 10%, it is **52.2428, 79.5932, 31.8461**.

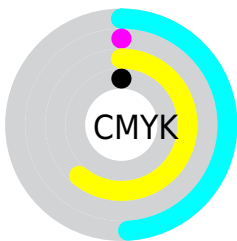
Distribution



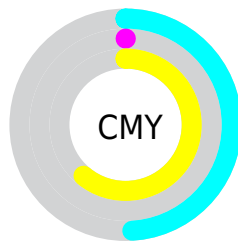
- Red (51%)
- Green (100%)
- Blue (39%)



- Red (39%)
- Yellow (100%)
- Blue (87%)



- Cyan (49%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3722, 77.2461, 24.2176 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 47.3722, 77.2461, 24.2176 by changing the saturation by 10% instead.


 47.3722, 77.2461,
24.2176


 47.3722, 77.2461,
24.2176


366.9224,
485.6027, 287.2407

 33.5392, 57.4549,
15.2814


 85.4843, 129.4868,
51.3333


 22.7010, 41.3706,
8.8683


 110.4941,
162.7051, 70.3500

 14.4924, 28.6087,
4.5598


 139.9602,
201.1679, 93.5638

 8.5479, 18.7850,
1.9372

 174.2479,
245.2595, 121.3935

 4.5022, 11.5151,
0.5162

213.7226,
295.3644, 154.2575

 1.9900, 6.4144,
0.0000

258.7497,

 0.6283, 3.0987,

351.8670, 192.5743

0.0000

309.6945,
415.1516, 236.7625

■ 0.0000, 1.1835,
0.0000

■ 0.0000, 0.0481,
0.0000

■ 47.3722, 77.2461,
24.2176

■ 47.3722, 77.2461,
24.2176

■ 43.5011, 75.3698,
18.6465

■ 52.2428, 79.5932,
31.8461

■ 40.5550, 73.9303,
14.9293


■ 58.1779, 82.4409,
41.7025


■ 38.4493, 72.8891,
12.8273

■ 65.2376, 85.8167,
53.9437

■ 37.1918, 72.2581,
11.9870

■ 73.4775, 89.7461,
68.7113

 82.9491, 94.2531,
86.1359

 93.7009, 99.3598,
106.3392

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.



62.9982, 77.2461, 12.9504



47.3722, 77.2461, 24.2176



39.6554, 77.2461, 56.4817

Triad

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



47.3722, 77.2461, 24.2176



63.0045, 77.2461, 263.9343



122.3596, 77.2461, 56.4663

Complementary

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



47.3722, 77.2461, 24.2176



52.9450, 31.8332, 97.9617

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.



122.3622, 77.2461, 119.5307



47.3722, 77.2461, 24.2176



84.9324, 77.2461, 263.9228

Square

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



47.3722, 77.2461, 24.2176



47.3760, 77.2461, 202.2466



107.6026, 77.2461, 202.2202



107.5959, 77.2461, 24.2112

Rectangle

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



47.3722, 77.2461, 24.2176



38.8126, 77.2461, 95.1323



107.6026, 77.2461, 202.2202



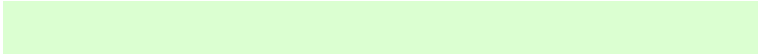
124.1702, 77.2461, 73.9699

Sweetspot

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



47.3725, 77.2463, 24.2188



76.3485, 91.1133, 73.9492



69.4019, 73.9801, 22.4273



15.7774, 19.2333, 14.7983



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.



47.3725, 77.2463, 24.2188



42.8966, 75.0755, 17.8360



45.8795, 76.1623, 38.3501



18.1195, 20.3475, 19.1168



19.5307, 37.8065, 6.2680



1.9864, 3.7248, 0.6143

Inverse Universe

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



52.9450, 31.8332, 97.9617



48.7305, 26.1819, 97.0930



57.4353, 34.8778, 65.2024



18.4064, 18.1012, 22.7737



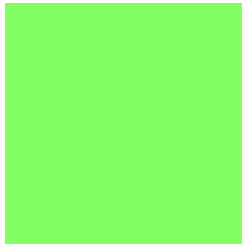
22.3848, 10.4503, 50.2719



2.2672, 1.0627, 4.8989

Previews

White Background



This preview shows how the XYZ color 47.3722, 77.2461, 24.2176 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 47.3722, 77.2461, 24.2176 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

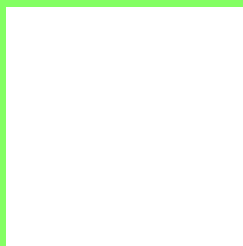
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.3722, 77.2461, 24.2176

Background



This preview shows how black text looks on a background with the XYZ color 47.3722, 77.2461, 24.2176.

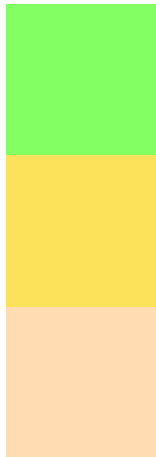


This preview shows how white text looks on a background with the XYZ color 47.3722, 77.2461,

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

47.3722, 77.2461, 24.2176

Protanopia

69.2296, 75.8435, 20.8880

Deuteranopia

74.7690, 75.6207, 52.2505



Tritanopia

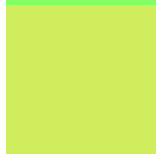
64.9867, 76.8041, 106.0072

Trichromacy



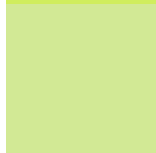
Original Color

47.3722, 77.2461, 24.2176



Protanomaly

58.3170, 74.7864, 21.9513



Deuteranomaly

61.1421, 74.1494, 39.5235



Tritanomaly

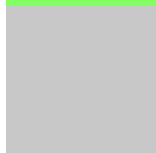
56.0613, 75.7471, 65.0920

Monochromacy



Original Color

47.3722, 77.2461, 24.2176



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

49.8833, 62.9447, 44.1707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3722, 77.2461, 24.2176 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(131, 255, 99)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 255, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 99) }
```

Border

The CSS property to change the border of an element to XYZ 47.3722, 77.2461, 24.2176 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(131, 255, 99) }
```


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

```
.border{ border-color:rgb(131, 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(131, 255, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 255, 99); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 255, 99); box-shadow:4px 4px 4px 4px rgb(131, 255, 99) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3722, 77.2461, 24.2176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 99) }
```

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

```
.background{ background-color: rgb(131,  
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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