

Converting Colors

XYZ(47.5211, 77.3193, 24.3889)

Have a look what the booklet for
XYZ(47.5211, 77.3193, 24.3889)
contains.

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Color

**XYZ(47.5760, 77.3456,
24.4783)**

Conversions

Conversions Part 1

Format	Color
Hex	84FF64
RGB	132, 255, 100
RGB Percent	52%, 100%, 39%
CMY	0.4824, 0.0000, 0.6078
CMYK	0.48, 0.00, 0.61, 0.00
HSL	108°, 100%, 70%
HSV	108°, 61%, 100%
XYZ	47.5760, 77.3456, 24.4783
YIQ	200.5530, -23.5530, -74.2810

Conversions

Conversions Part 2

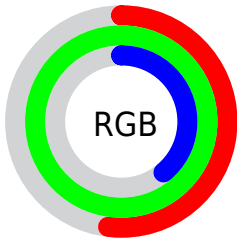
Format	Color
RYB	100, 255, 223
Decimal	8716132
CIELab	90.48, -61.97, 61.98
CIELCh	90, 87.644, 134.997
Yxy	77.3456, 0.3184, 0.5177
Android (android.graphics.Color)	4286906212 (0xFF84FF64)
YUV	200.5530, -49.5726, -60.1210
Hunter-Lab	87.9463, -57.3436, 45.0601

Details

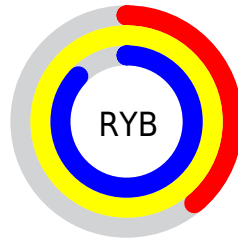
The XYZ color **47.5760, 77.3456, 24.4783** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **53.0403, 32.0239, 97.9934**, and the grayscale version is **55.5481, 58.4409, 63.6422**.

A 20% lighter version of the original color is **63.4990, 85.1268, 44.5369**, and **22.7681, 41.3286, 8.9677** is the 20% darker color. If you saturate the color by 10%, you get **43.6653, 75.4506, 18.8301**, and if you desaturate by 10%, it is **52.4872, 79.7119, 32.1911**.

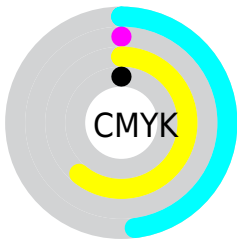
Distribution



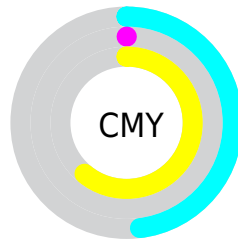
- Red (52%)
- Green (100%)
- Blue (39%)



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



- Cyan (48%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5760, 77.3456, 24.4783 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 47.5760, 77.3456, 24.4783 by changing the saturation by 10% instead.


 47.5760, 77.3456,
24.4783

 47.5760, 77.3456,
24.4783


367.7196,
485.9416, 288.5938

 33.7011, 57.5366,
15.4733


 85.7863, 129.6272,
51.7632


 22.8259, 41.4362,
9.0019


 110.8524,
162.8686, 70.8802

 14.5850, 28.6601,
4.6456


 140.3796,
201.3562, 94.2049

 8.6130, 18.8238,
1.9858

 174.7333,
245.4744, 122.1559

 4.5447, 11.5430,
0.5465

214.2787,
295.6077, 155.1518

 2.0147, 6.4333,
0.0000

259.3814,

 0.6422, 3.1103,

352.1404, 193.6110

0.0000

310.4066,
415.4569, 237.9522

0.0000, 1.1896,
0.0000

0.0000, 0.0532,
0.0000

47.5760, 77.3456,
24.4783

47.5760, 77.3456,
24.4783

43.6653, 75.4506,
18.8301

52.4872, 79.7119,
32.1911

40.6812, 73.9929,
15.0442


58.4635, 82.5788,
42.1381


38.5398, 72.9346,
12.8839


65.5646, 85.9738,
54.4756

37.2093, 72.2672,
11.9878

73.8457, 89.9223,
69.3447

 83.3582, 94.4480,
86.8757

 94.1502, 99.5731,
107.1898

 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.



63.1460, 77.3456, 13.1774



47.5760, 77.3456, 24.4783



39.8772, 77.3456, 56.6933

Triad

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



47.5760, 77.3456, 24.4783



63.1427, 77.3456, 262.6996



122.1602, 77.3456, 56.7013

Complementary

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



47.5760, 77.3456, 24.4783



53.0403, 32.0239, 97.9934

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.



122.1589, 77.3456, 119.4562



47.5760, 77.3456, 24.4783



84.9604, 77.3456, 262.7056

Square

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



47.5760, 77.3456, 24.4783



47.5740, 77.3456, 201.5268



107.4949, 77.3456, 201.5405



107.4983, 77.3456, 24.4817

Rectangle

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



47.5760, 77.3456, 24.4783



39.0349, 77.3456, 95.1660



107.4949, 77.3456, 201.5405



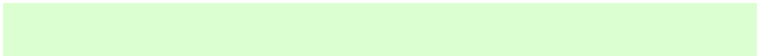
123.9570, 77.3456, 74.1403

Sweetspot

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



47.5763, 77.3458, 24.4795



76.3668, 91.1227, 73.9500



69.5074, 74.1139, 22.6998



15.7818, 19.2355, 14.7985



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.



47.5763, 77.3458, 24.4795



42.9263, 75.0908, 17.8374



46.0440, 76.2408, 38.6427



18.1218, 20.3487, 19.1169



19.5404, 37.8115, 6.2685



1.9877, 3.7254, 0.6143

Inverse Universe

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



53.0403, 32.0239, 97.9934



48.6573, 26.1441, 97.0895



57.5661, 35.0827, 65.4213



18.4039, 18.0999, 22.7736



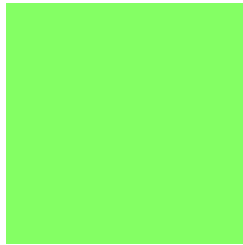
22.3374, 10.4258, 50.2697



2.2630, 1.0605, 4.8987

Previews

White Background



This preview shows how the XYZ color 47.5760, 77.3456, 24.4783 looks on a white background.

Color Contrast Check

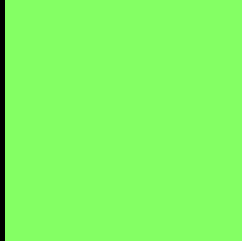
Large Text (above 18pt) WCAG AA × Fail

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 47.5760, 77.3456, 24.4783 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

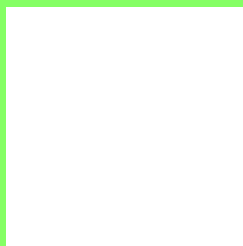
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.5760, 77.3456, 24.4783

Background



This preview shows how black text looks on a background with the XYZ color 47.5760, 77.3456, 24.4783.



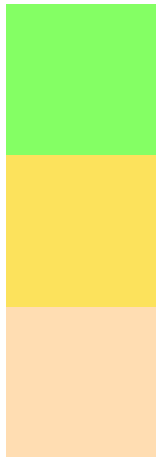
This preview shows how white text looks on a background with the XYZ color 47.5760, 77.3456,

24.4783.

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

47.5760, 77.3456, 24.4783

Protanopia

69.2730, 75.8609, 21.1167

Deuteranopia

75.1323, 76.1873, 52.8652



Tritanopia

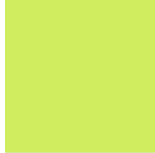
65.2021, 76.9151, 106.0173

Trichromacy



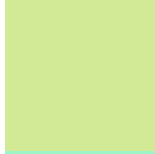
Original Color

47.5760, 77.3456, 24.4783



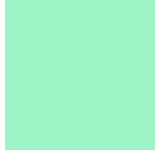
Protanomaly

58.3622, 74.8045, 22.1892



Deuteranomaly

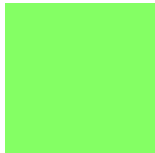
61.2223, 74.1815, 39.9459



Tritanomaly

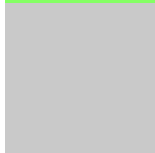
56.3698, 75.8928, 65.7106

Monochromacy



Original Color

47.5760, 77.3456, 24.4783



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

50.4618, 63.6233, 44.7429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5760, 77.3456, 24.4783 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(132, 255, 100)` looks like.

```
.text, #text, p{  
    color:rgb(132, 255, 100)  
}
```

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(132, 255, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 255, 100) }
```

Border

The CSS property to change the border of an element to XYZ 47.5760, 77.3456, 24.4783 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(132, 255, 100) }
```


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

```
.border{ border-color:rgb(132, 255, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 255, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 255, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 255, 100);  
box-shadow:4px 4px 4px 4px rgb(132, 255,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5760, 77.3456, 24.4783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 255, 100) }
```

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

```
.background{ background-color: rgb(132,  
255, 100) }
```

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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