

Converting Colors

XYZ(46.0609, 76.5532, 24.9189)

Have a look what the booklet for
XYZ(46.0609, 76.5532, 24.9189)
contains.

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Color

**XYZ(46.0434, 76.5443,
24.9182)**

Conversions

Conversions Part 1

Format	Color
Hex	79FF66
RGB	121, 255, 102
RGB Percent	47%, 100%, 40%
CMY	0.5255, 0.0000, 0.6000
CMYK	0.53, 0.00, 0.60, 0.00
HSL	113°, 100%, 70%
HSV	113°, 60%, 100%
XYZ	46.0434, 76.5443, 24.9182
YIQ	197.4920, -30.7510, -75.9910

Conversions

Conversions Part 2

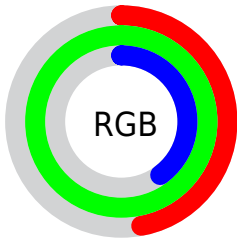
Format	Color
RYB	102, 255, 236
Decimal	7995238
CIELab	90.11, -64.69, 60.62
CIELCh	90, 88.652, 136.862
Yxy	76.5443, 0.3121, 0.5189
Android (android.graphics.Color)	4286185318 (0xFF79FF66)
YUV	197.4920, -47.0776, -67.0835
Hunter-Lab	87.4896, -59.1671, 44.3561

Details

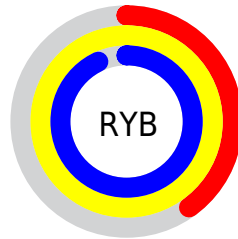
The XYZ color **46.0434, 76.5443, 24.9182** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **57.3955, 34.5573, 98.2529**, and the grayscale version is **53.6579, 56.4523, 61.4765**.

A 20% lighter version of the original color is **61.1372, 83.8994, 44.8702**, and **21.8561, 40.8520, 9.2159** is the 20% darker color. If you saturate the color by 10%, you get **42.1913, 74.6827, 19.1213**, and if you desaturate by 10%, it is **51.0093, 78.9350, 32.7991**.

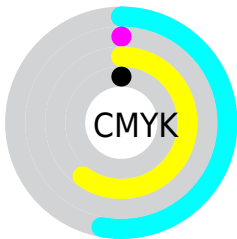
Distribution



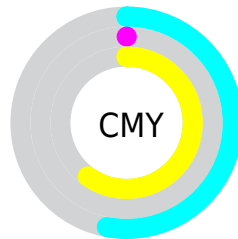
- Red (47%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (93%)



- Cyan (53%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0434, 76.5443, 24.9182 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 46.0434, 76.5443, 24.9182 by changing the saturation by 10% instead.


 46.0434, 76.5443,
24.9182


 46.0434, 76.5443,
24.9182


361.6961,
483.2089, 290.8650

 32.4848, 56.8789,
15.7977


 83.5114, 128.4960,
52.4870


 21.8894, 40.9081,
9.2283


 108.1516,
161.5512, 71.7723

 13.8918, 28.2472,
4.7915


 137.2163,
199.8384, 95.2829

 8.1267, 18.5121,
2.0689

 171.0710,
243.7420, 123.4374

 4.2286, 11.3183,
0.5972

210.0809,
293.6465, 156.6543

 1.8323, 6.2813,
0.0000

254.6116,

 0.5370, 3.0169,

349.9362, 195.3522

0.0000

305.0282,
412.9955, 239.9496

0.0000, 1.1406,
0.0000

0.0000, 0.0123,
0.0000

46.0434, 76.5443,
24.9182

46.0434, 76.5443,
24.9182

42.1913, 74.6827,
19.1213

51.0093, 78.9350,
32.7991

39.3646, 73.3092,
15.2079

57.1665, 81.8912,
42.9326

37.4622, 72.3766,
12.9441

64.5862, 85.4463,
55.4744

36.3453, 71.8217,
11.9475

73.3338, 89.6309,
70.5651

■ 36.3451, 71.8217,
11.9474

■ 83.4701, 94.4735,
88.3346

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.



61.1588, 76.5443, 12.8533



46.0434, 76.5443, 24.9182



38.8427, 76.5443, 58.7270

Triad

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



46.0434, 76.5443, 24.9182



63.5548, 76.5443, 265.7622



121.2128, 76.5443, 52.9082

Complementary

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



46.0434, 76.5443, 24.9182



57.3955, 34.5573, 98.2529

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.



122.2156, 76.5443, 114.0266



46.0434, 76.5443, 24.9182



85.7271, 76.5443, 261.3717

Square

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



46.0434, 76.5443, 24.9182



47.4913, 76.5443, 206.6985



108.1951, 76.5443, 196.6645



105.6819, 76.5443, 22.5108

Rectangle

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



46.0434, 76.5443, 24.9182



38.3159, 76.5443, 98.6738



108.1951, 76.5443, 196.6645



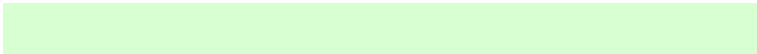
123.3556, 76.5443, 69.6899

Sweetspot

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



46.0436, 76.5443, 24.9194



75.2463, 90.5450, 73.8976



73.2326, 81.4076, 24.4251



15.5136, 19.0973, 14.7860



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.



46.0436, 76.5443, 24.9194



41.5463, 74.3701, 18.1939



47.4204, 76.8172, 44.7221



17.9811, 20.2761, 19.1103



19.0560, 37.5618, 6.2458



1.9184, 3.6897, 0.6111

Inverse Universe

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



57.3955, 34.5573, 98.2529



53.6741, 28.9677, 97.3701



56.2892, 34.8826, 57.7393



18.5577, 18.1792, 22.7808



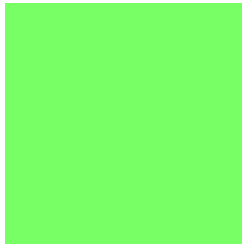
25.4748, 12.0432, 50.4165



2.5400, 1.2033, 4.9117

Previews

White Background



This preview shows how the XYZ color 46.0434, 76.5443, 24.9182 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 46.0434, 76.5443, 24.9182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

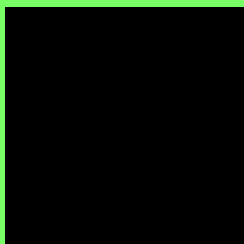
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

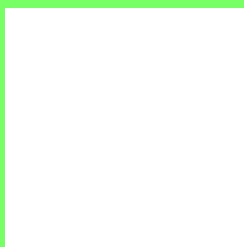
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0434, 76.5443, 24.9182

Background



This preview shows how black text looks on a background with the XYZ color 46.0434, 76.5443, 24.9182.

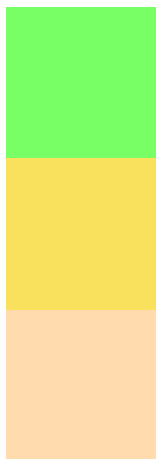


This preview shows how white text looks on a background with the XYZ color 46.0434, 76.5443,

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

46.0434, 76.5443, 24.9182

Protanopia

68.3253, 74.9647, 21.2244

Deuteranopia

74.2115, 74.9790, 50.6054



Tritanopia

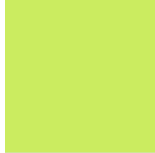
63.7288, 76.1556, 105.9484

Trichromacy



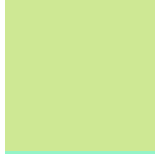
Original Color

46.0434, 76.5443, 24.9182



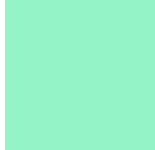
Protanomaly

56.7354, 73.5319, 22.2691



Deuteranomaly

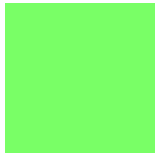
59.6555, 72.9732, 38.9580



Tritanomaly

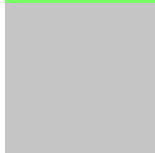
54.8722, 75.1208, 65.6405

Monochromacy



Original Color

46.0434, 76.5443, 24.9182



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

47.9552, 61.1865, 43.4651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0434, 76.5443, 24.9182 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(121, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(121, 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(121, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 46.0434, 76.5443, 24.9182 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(121, 255, 102) }
```


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

```
.border{ border-color:rgb(121, 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(121, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 255, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 255, 102); box-shadow:4px 4px 4px 4px rgb(121, 255, 102) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0434, 76.5443, 24.9182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 255, 102) }
```

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

```
.background{ background-color: rgb(121,  
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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