

Converting Colors

XYZ(46.3440, 76.0842, 24.6735)

Have a look what the booklet for
XYZ(46.3440, 76.0842, 24.6735)
contains.

XYZ(46.3950, 76.2588, 24.5861)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.3950, 76.2588,
24.5861)**

Conversions

Conversions Part 1

Format	Color
Hex	7EFE65
RGB	126, 254, 101
RGB Percent	49%, 100%, 40%
CMY	0.5059, 0.0039, 0.6039
CMYK	0.50, 0.00, 0.60, 0.00
HSL	110°, 99%, 70%
HSV	110°, 60%, 100%
XYZ	46.3950, 76.2588, 24.5861
YIQ	198.2860, -27.1750, -74.7190

Conversions

Conversions Part 2

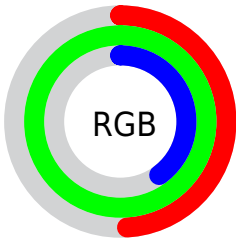
Format	Color
RYB	101, 254, 229
Decimal	8322661
CIELab	89.98, -63.12, 60.93
CIElCh	90, 87.736, 136.011
Yxy	76.2588, 0.3151, 0.5179
Android (android.graphics.Color)	4286512741 (0xFF7EFE65)
YUV	198.2860, -47.9620, -63.3948
Hunter-Lab	87.3263, -57.9869, 44.4357

Details

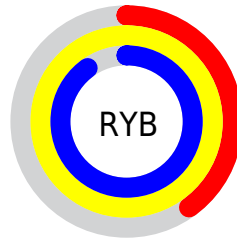
The XYZ color **46.3950, 76.2588, 24.5861** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **54.8601, 33.1238, 97.2720**, and the grayscale version is **54.1470, 56.9669, 62.0370**.

A 20% lighter version of the original color is **62.2543, 84.4851, 44.4786**, and **22.0580, 40.6224, 9.0612** is the 20% darker color. If you saturate the color by 10%, you get **42.5305, 74.3911, 18.8829**, and if you desaturate by 10%, it is **51.3132, 78.6298, 32.3486**.

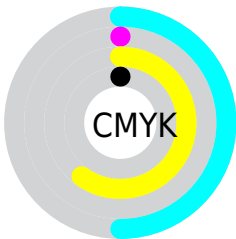
Distribution



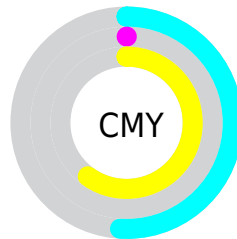
- Red (49%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (90%)



- Cyan (50%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3950, 76.2588, 24.5861 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 46.3950, 76.2588, 24.5861 by changing the saturation by 10% instead.


 46.3950, 76.2588,
24.5861

 46.3950, 76.2588,
24.5861


363.0838,
482.2332, 289.1518

 32.7636, 56.6447,
15.5527


 84.0341, 128.0927,
51.9407


 22.1038, 40.7201,
9.0573


 108.7725,
161.0813, 71.0991

 14.0502, 28.1004,
4.6813


 137.9439,
199.2969, 94.4695

 8.2375, 18.4014,
2.0060

 171.9137,
243.1238, 122.4706

 4.3004, 11.2385,
0.5590

211.0472,
292.9465, 155.5208

 1.8734, 6.2275,
0.0000

255.7098,

 0.5613, 2.9839,

349.1494, 194.0387

0.0000

306.2669,
412.1168, 238.4428

0.0000, 1.1233,
0.0000

0.0000, 0.0000,
0.0000

46.3950, 76.2588,
24.5861

46.3950, 76.2588,
24.5861

42.5305, 74.3911,
18.8829

51.3132, 78.6298,
32.3486

39.6350, 72.9805,
15.0384


57.3505, 81.5274,
42.3360


37.6189, 71.9882,
12.8210


64.5733, 84.9846,
54.7031

36.3778, 71.3684,
11.8582

73.0410, 89.0292,
69.5891

 82.8093, 93.6869,
87.1228

 93.9301, 98.9821,
107.4241

 94.7333, 99.3667,
108.7944

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.5619, 76.2588, 12.9637



46.3950, 76.2588, 24.5861



39.0403, 76.2588, 57.3458

Triad

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



46.3950, 76.2588, 24.5861



62.8475, 76.2588, 261.5649



120.4919, 76.2588, 54.2189

Complementary

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



46.3950, 76.2588, 24.5861



54.8601, 33.1238, 97.2720

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.



121.0280, 76.2588, 115.4319



46.3950, 76.2588, 24.5861



84.6219, 76.2588, 259.2243

Square

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



46.3950, 76.2588, 24.5861



47.1733, 76.2588, 202.2385



106.8726, 76.2588, 196.8836



105.5283, 76.2588, 23.2839

Rectangle

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



46.3950, 76.2588, 24.5861



38.3762, 76.2588, 96.1984



106.8726, 76.2588, 196.8836



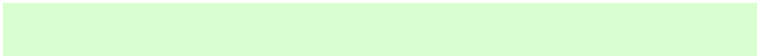
122.4537, 76.2588, 71.1269

Sweetspot

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



46.3968, 76.2620, 24.5878



75.7772, 90.8187, 73.9224



71.1065, 77.7764, 23.5777



15.6405, 19.1627, 14.7919



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.



46.3968, 76.2620, 24.5878



42.3214, 74.7697, 18.2302



46.4786, 75.9208, 41.9123



18.0480, 20.3106, 19.1134



19.2579, 37.6659, 6.2552



1.9497, 3.7059, 0.6125

Inverse Universe

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



54.8601, 33.1238, 97.2720



51.3815, 27.7858, 97.2628



56.3090, 34.6920, 60.2313



18.4842, 18.1413, 22.7774



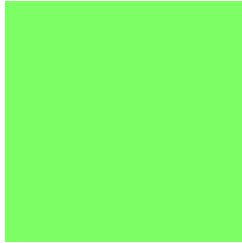
23.9297, 11.2467, 50.3442



2.4042, 1.1333, 4.9053

Previews

White Background



This preview shows how the XYZ color 46.3950, 76.2588, 24.5861 looks on a white background.

Color Contrast Check

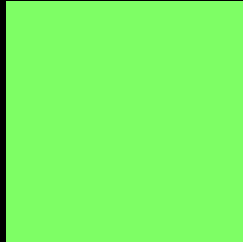
Large Text (above 18pt) WCAG AA × Fail

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 46.3950, 76.2588, 24.5861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

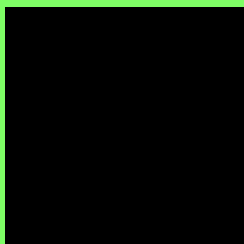
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

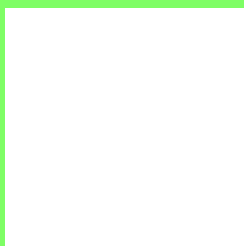
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3950, 76.2588, 24.5861

Background



This preview shows how black text looks on a background with the XYZ color 46.3950, 76.2588, 24.5861.



This preview shows how white text looks on a background with the XYZ color 46.3950, 76.2588, 24.5861.

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

46.3950, 76.2588, 24.5861

Protanopia

68.2813, 74.9471, 20.9926

Deuteranopia

74.1143, 74.9402, 50.0938



Tritanopia

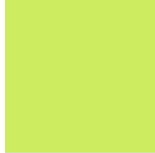
63.4384, 75.5749, 105.8516

Trichromacy



Original Color

46.3950, 76.2588, 24.5861



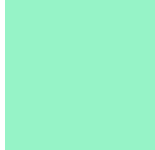
Protanomaly

57.2378, 73.7963, 22.0538



Deuteranomaly

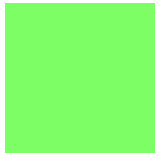
60.1355, 73.2297, 38.5690



Tritanomaly

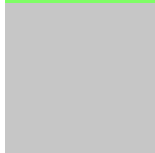
54.9371, 74.7087, 65.5576

Monochromacy



Original Color

46.3950, 76.2588, 24.5861



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

48.6955, 61.5578, 43.9657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3950, 76.2588, 24.5861 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(126, 254, 101)` looks like.

```
.text, #text, p{  
    color:rgb(126, 254, 101)  
}
```

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(126, 254, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 254, 101) }
```

Border

The CSS property to change the border of an element to XYZ 46.3950, 76.2588, 24.5861 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(126, 254, 101) }
```


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

```
.border{ border-color:rgb(126, 254, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 254, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 254, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 254, 101);  
box-shadow:4px 4px 4px 4px rgb(126, 254,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3950, 76.2588, 24.5861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 254, 101) }
```

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

```
.background{ background-color: rgb(126,  
254, 101) }
```

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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