

Converting Colors

XYZ(46.2341, 76.2510, 42.6191)

Have a look what the booklet for
XYZ(46.2341, 76.2510, 42.6191)
contains.

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Color

**XYZ(46.2291, 76.2528,
42.4187)**

Conversions

Conversions Part 1

Format	Color
Hex	5FFF99
RGB	95, 255, 153
RGB Percent	37%, 100%, 60%
CMY	0.6274, 0.0000, 0.4000
CMYK	0.63, 0.00, 0.40, 0.00
HSL	142°, 100%, 69%
HSV	142°, 63%, 100%
XYZ	46.2291, 76.2528, 42.4187
YIQ	195.5320, -62.6180, -65.6420

Conversions

Conversions Part 2

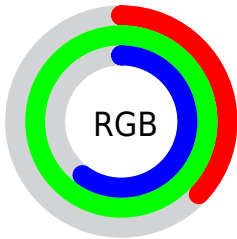
Format	Color
RYB	95, 212, 255
Decimal	6291353
CIELab	89.98, -63.58, 36.65
CIELCh	90, 73.387, 150.041
Yxy	76.2528, 0.2803, 0.4624
Android (android.graphics.Color)	4284481433 (0xFF5FFF99)
YUV	195.5320, -20.9683, -88.1666
Hunter-Lab	87.3228, -58.3163, 32.3248

Details

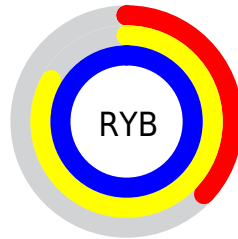
The XYZ color **46.2291, 76.2528, 42.4187** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **55.4105, 33.4762, 56.3644**, and the grayscale version is **52.3376, 55.0632, 59.9638**.

A 20% lighter version of the original color is **61.4432, 83.4450, 72.5426**, and **22.3152, 40.8721, 19.0249** is the 20% darker color. If you saturate the color by 10%, you get **42.7473, 74.6026, 35.7185**, and if you desaturate by 10%, it is **50.7614, 78.4234, 50.1255**.

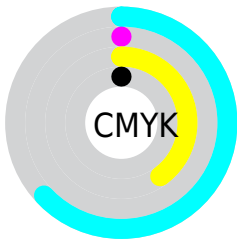
Distribution



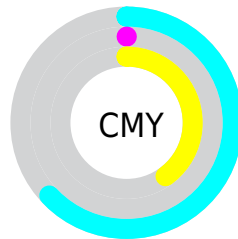
- Red (37%)
- Green (100%)
- Blue (60%)



- Red (37%)
- Yellow (83%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2291, 76.2528, 42.4187 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 46.2291, 76.2528, 42.4187 by changing the saturation by 10% instead.


 46.2291, 76.2528,
42.4187


 46.2291, 76.2528,
42.4187


362.4295,
482.2126, 372.0664


 32.6320, 56.6398,
29.1013


 83.7875, 128.0842,
80.1098


 22.0026, 40.7161,
18.9112


 108.4796,
161.0714, 105.3206

 13.9754, 28.0973,
11.4300


 137.6007,
199.2855, 135.3329

 8.1852, 18.3991,
6.2390

 171.5162,
243.1108, 170.5653

 4.2665, 11.2369,
2.9198

210.5915,
292.9318, 211.4363

 1.8540, 6.2264,
1.0538


255.1919,

 0.5499, 2.9832,


349.1328, 258.3645


0.0000

305.6828,
412.0983, 311.7683


 0.0000, 1.1230,
0.0000


 0.0000, 0.0000,
0.0000


 46.2291, 76.2528,
42.4187


 46.2291, 76.2528,
42.4187


 42.7473, 74.6026,
35.7185


 50.7614, 78.4234,
50.1255


 40.2189, 73.4235,
29.9782

 56.4260, 81.1558,
58.8752

 38.5296, 72.6577,
25.1529

 63.2979, 84.4879,
68.7068

 37.7110, 72.3004,
22.1939

 71.4451, 88.4541,
79.6561

■ 80.9305, 93.0859,
91.7573

■ 91.8124, 98.4130,
105.0431

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.



56.3574, 76.2528, 23.0454



46.2291, 76.2528, 42.4187



42.8562, 76.2528, 83.0984

Triad

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



46.2291, 76.2528, 42.4187



72.5012, 76.2528, 228.6264



107.1151, 76.2528, 42.3390

Complementary

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



46.2291, 76.2528, 42.4187



55.4105, 33.4762, 56.3644

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.



113.3197, 76.2528, 82.9543



46.2291, 76.2528, 42.4187



91.4076, 76.2528, 203.2276

Square

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



46.2291, 76.2528, 42.4187



56.3942, 76.2528, 203.3586



107.1478, 76.2528, 143.6740



91.3567, 76.2528, 23.0148

Rectangle

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



46.2291, 76.2528, 42.4187



44.3637, 76.2528, 122.2452



107.1478, 76.2528, 143.6740



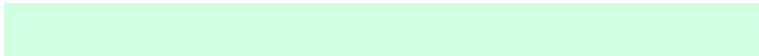
110.4940, 76.2528, 53.2451

Sweetspot

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



46.2296, 76.2530, 42.4200



74.8365, 90.1086, 84.0501



61.3791, 84.4885, 23.9000



15.4599, 19.0146, 17.2685



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.



46.2296, 76.2530, 42.4200



42.0972, 74.2973, 34.3411



54.9035, 79.7226, 88.0959



18.0437, 20.2770, 20.5330



19.7698, 37.8045, 11.9390



1.9751, 3.7010, 1.4266

Inverse Universe

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



55.4105, 33.4762, 56.3644



51.8873, 28.4298, 49.0238



48.6624, 30.7769, 20.8293



18.4968, 18.1820, 21.2335



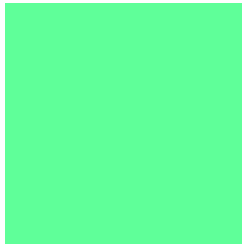
25.0567, 12.5120, 19.4810



2.4921, 1.2392, 2.1729

Previews

White Background



This preview shows how the XYZ color 46.2291, 76.2528, 42.4187 looks on a white background.

Color Contrast Check

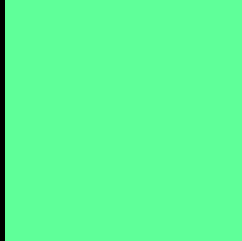
Large Text (above 18pt) WCAG AA × Fail

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 46.2291, 76.2528, 42.4187 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 46.2291, 76.2528, 42.4187

Background



This preview shows how black text looks on a background with the XYZ color 46.2291, 76.2528, 42.4187.

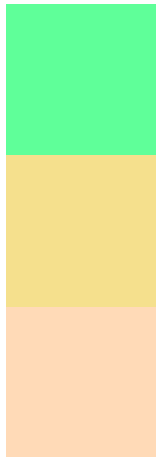


This preview shows how white text looks on a background with the XYZ color 46.2291, 76.2528,

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

46.2291, 76.2528, 42.4187

Protanopia

69.1196, 74.6469, 35.9646

Deuteranopia

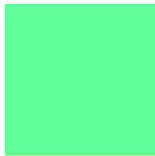
74.8586, 74.8217, 55.2963



Tritanopia

62.0534, 75.7253, 105.9536

Trichromacy



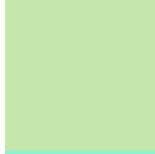
Original Color

46.2291, 76.2528, 42.4187



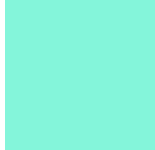
Protanomaly

56.0544, 72.4081, 37.8099



Deuteranomaly

59.0483, 72.0007, 49.8151



Tritanomaly

54.8230, 75.2723, 77.9692

Monochromacy



Original Color

46.2291, 76.2528, 42.4187



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.3491, 60.2919, 52.3220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2291, 76.2528, 42.4187 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(95, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(95, 255, 153)  
}
```

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(95, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 46.2291, 76.2528, 42.4187 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(95, 255, 153) }
```


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

```
.border{ border-color:rgb(95, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(95, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2291, 76.2528, 42.4187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 255, 153) }
```

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

```
.background{ background-color: rgb(95, 255,  
153) }
```

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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