

Converting Colors

XYZ(46.0241, 76.2586, 37.3721)

Have a look what the booklet for
XYZ(46.0241, 76.2586, 37.3721)
contains.

XYZ(46.0472, 76.2679, 37.4935)	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(46.0472, 76.2679,
37.4935)**

Conversions

Conversions Part 1

Format	Color
Hex	66FF8D
RGB	102, 255, 141
RGB Percent	40%, 100%, 55%
CMY	0.6000, 0.0000, 0.4470
CMYK	0.60, 0.00, 0.45, 0.00
HSL	135°, 100%, 70%
HSV	135°, 60%, 100%
XYZ	46.0472, 76.2679, 37.4935
YIQ	196.2570, -54.5940, -67.8900

Conversions

Conversions Part 2

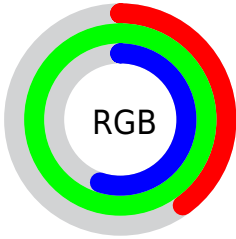
Format	Color
RYB	102, 224, 255
Decimal	6750093
CIELab	89.98, -64.13, 42.55
CIElCh	90, 76.959, 146.437
Yxy	76.2679, 0.2881, 0.4772
Android (android.graphics.Color)	4284940173 (0xFF66FF8D)
YUV	196.2570, -27.2417, -82.6634
Hunter-Lab	87.3315, -58.7126, 35.6774

Details

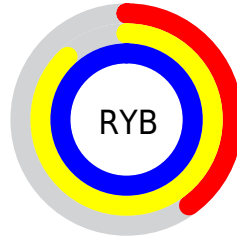
The XYZ color **46.0472, 76.2679, 37.4935** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **58.3860, 35.7209, 68.7823**, and the grayscale version is **52.8056, 55.5556, 60.5000**.

A 20% lighter version of the original color is **61.2409, 83.5049, 65.1149**, and **21.9074, 40.7249, 16.1573** is the 20% darker color. If you saturate the color by 10%, you get **42.2936, 74.4824, 30.5609**, and if you desaturate by 10%, it is **50.9327, 78.6088, 45.7475**.

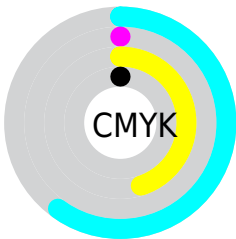
Distribution



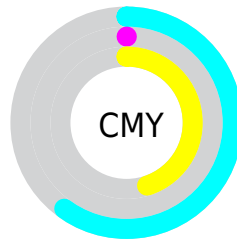
- Red (40%)
- Green (100%)
- Blue (55%)



- Red (40%)
- Yellow (88%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0472, 76.2679, 37.4935 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 46.0472, 76.2679, 37.4935 by changing the saturation by 10% instead.


 46.0472, 76.2679,
37.4935


 46.0472, 76.2679,
37.4935


361.7111,
482.2643, 350.6750


 32.4879, 56.6522,
25.2910


 83.5171, 128.1055,
72.5259

 21.8917, 40.7261,
16.0730


 108.1583,
161.0963, 96.1930

 13.8935, 28.1051,
9.4209


 137.2242,
199.3141, 124.5186

 8.1279, 18.4049,
4.9162

171.0801,
243.1435, 157.9214

 4.2294, 11.2411,
2.1403

210.0914,
292.9688, 196.8200

 1.8327, 6.2292,
0.6396

254.6234,

 0.5373, 2.9850,

349.1745, 241.6327

0.0000

305.0416,
412.1448, 292.7782

0.0000, 1.1239,
0.0000

0.0000, 0.0000,
0.0000

46.0472, 76.2679,
37.4935

46.0472, 76.2679,
37.4935

42.2936, 74.4824,
30.5609

50.9327, 78.6088,
45.7475

39.5737, 73.2032,
24.8768


57.0341, 81.5472,
55.3833


37.7738, 72.3733,
20.3669

64.4287, 85.1217,
66.4618

36.7143, 71.9017,
16.9451

73.1869, 89.3674,
79.0392

 36.7142, 71.9017,
16.9449

 83.3739, 94.3169,
93.1687

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.



57.3723, 76.2679, 20.0686



46.0472, 76.2679, 37.4935



41.7285, 76.2679, 76.6910

Triad

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



46.0472, 76.2679, 37.4935



70.2372, 76.2679, 237.9501



110.4928, 76.2679, 44.5413

Complementary

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



46.0472, 76.2679, 37.4935



58.3860, 35.7209, 68.7823

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.



115.5484, 76.2679, 89.7359



46.0472, 76.2679, 37.4935



90.0551, 76.2679, 216.8786

Square

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



46.0472, 76.2679, 37.4935



54.0637, 76.2679, 204.7454



107.5044, 76.2679, 155.6053



94.6899, 76.2679, 22.7064

Rectangle

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



46.0472, 76.2679, 37.4935



42.7233, 76.2679, 116.4102



107.5044, 76.2679, 155.6053



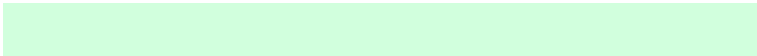
113.6129, 76.2679, 56.7515

Sweetspot

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



46.0476, 76.2681, 37.4947



75.1074, 90.2997, 81.7384



66.6995, 87.1928, 25.8853



15.4819, 19.0394, 16.6589



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.



46.0476, 76.2681, 37.4947



41.6700, 74.1876, 29.3260



53.7316, 79.3417, 77.9581



17.9615, 20.2441, 20.1004



19.2345, 37.5904, 9.1203



1.9147, 3.6768, 1.1089

Inverse Universe

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



58.3860, 35.7209, 68.7823



54.9283, 30.3813, 62.7713



50.7437, 32.6639, 28.5385



18.5832, 18.2166, 21.6884



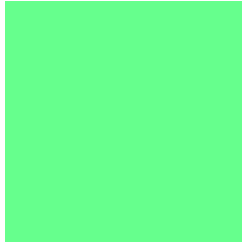
26.4687, 13.0768, 26.9166



2.6214, 1.2909, 2.8534

Previews

White Background



This preview shows how the XYZ color 46.0472, 76.2679, 37.4935 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 46.0472, 76.2679, 37.4935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

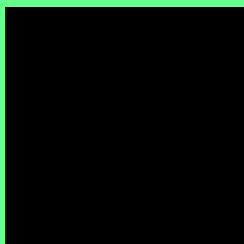
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0472, 76.2679, 37.4935

Background



This preview shows how black text looks on a background with the XYZ color 46.0472, 76.2679, 37.4935.

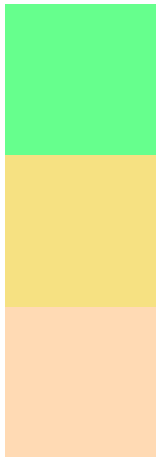


This preview shows how white text looks on a background with the XYZ color 46.0472, 76.2679,

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

46.0472, 76.2679, 37.4935

Protanopia

68.9605, 75.0550, 31.9715

Deuteranopia

74.5496, 74.6981, 53.6690



Tritanopia

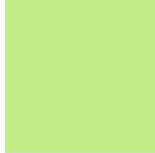
62.4341, 75.9216, 105.9714

Trichromacy



Original Color

46.0472, 76.2679, 37.4935



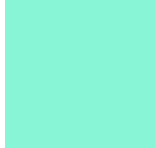
Protanomaly

56.5467, 73.1815, 33.6994



Deuteranomaly

59.0120, 72.0471, 46.8726



Tritanomaly

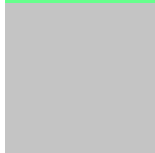
54.9433, 75.3941, 75.2750

Monochromacy



Original Color

46.0472, 76.2679, 37.4935



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.5496, 60.4417, 50.2346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0472, 76.2679, 37.4935 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(102, 255, 141)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 141)  
}
```

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(102, 255, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 141) }
```

Border

The CSS property to change the border of an element to XYZ 46.0472, 76.2679, 37.4935 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(102, 255, 141) }
```


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

```
.border{ border-color:rgb(102, 255, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0472, 76.2679, 37.4935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 141) }
```

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

```
.background{ background-color: rgb(102,  
255, 141) }
```

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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