

Converting Colors

XYZ(46.4116, 76.3034, 55.3318)

Have a look what the booklet for
XYZ(46.4116, 76.3034, 55.3318)
contains.

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Color

**XYZ(46.2450, 75.9735,
55.4070)**

Conversions

Conversions Part 1

Format	Color
Hex	42FFB4
RGB	66, 255, 180
RGB Percent	26%, 100%, 71%
CMY	0.7411, 0.0000, 0.2941
CMYK	0.74, 0.00, 0.29, 0.00
HSL	156°, 100%, 63%
HSV	156°, 74%, 100%
XYZ	46.2450, 75.9735, 55.4070
YIQ	189.9390, -88.5690, -63.3930

Conversions

Conversions Part 2

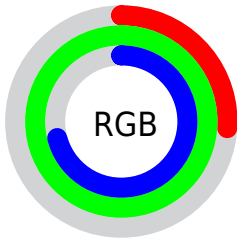
Format	Color
RYB	66, 184, 255
Decimal	4390836
CIELab	89.85, -62.98, 22.82
CIELCh	90, 66.986, 160.081
Yxy	75.9735, 0.2604, 0.4277
Android (android.graphics.Color)	4282580916 (0xFF42FFB4)
YUV	189.9390, -4.8999, -108.6945
Hunter-Lab	87.1628, -57.8301, 23.3249

Details

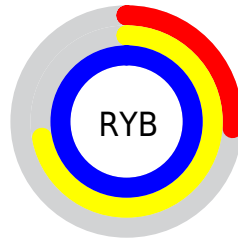
The XYZ color **46.2450, 75.9735, 55.4070** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **47.9967, 27.0805, 27.8984**, and the grayscale version is **48.9731, 51.5235, 56.1091**.

A 20% lighter version of the original color is **61.5478, 83.0651, 92.1461**, and **23.7970, 41.4648, 26.8280** is the 20% darker color. If you saturate the color by 10%, you get **43.8996, 74.8792, 50.1117**, and if you desaturate by 10%, it is **49.4321, 77.4930, 61.1372**.

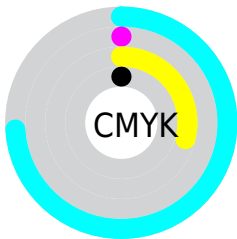
Distribution



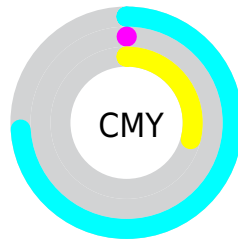
- Red (26%)
- Green (100%)
- Blue (71%)



- Red (26%)
- Yellow (72%)
- Blue (100%)



- Cyan (74%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (74%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2450, 75.9735, 55.4070 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 46.2450, 75.9735, 55.4070 by changing the saturation by 10% instead.


 46.2450, 75.9735,
55.4070


 46.2450, 75.9735,
55.4070


362.4922,
481.2570, 424.7782


 32.6446, 56.4108,
39.3269


 83.8112, 127.6894,
99.6141


 22.0123, 40.5324,
26.7043


 108.5077,
160.6115, 128.5782

 13.9826, 27.9539,
17.1208


 137.6336,
198.7554, 162.6741

 8.1902, 18.2909,
10.1578

 171.5543,
242.5055, 202.3202

 4.2697, 11.1590,
5.3967

210.6352,
292.2464, 247.9351

 1.8558, 6.1739,
2.4191

255.2416,

 0.5510, 2.9511,

348.3623, 299.9374

0.7968

305.7388,
411.2377, 358.7456

■ 0.0000, 1.1063,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.2450, 75.9735,
55.4070

■ 46.2450, 75.9735,
55.4070

■ 43.8996, 74.8792,
50.1117

■ 49.4321, 77.4930,
61.1372


■ 42.2817, 74.1514,
45.2338


■ 53.5505, 79.4838,
67.3106


■ 41.5768, 73.8467,
42.5511


■ 58.6802, 81.9868,
73.9402

■ 64.8917, 85.0383,
81.0370

 72.2488, 88.6710,
88.6112

 80.8104, 92.9151,
96.6728

 90.6311, 97.7986,
105.2316

 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.



53.6065, 75.9735, 30.7669



46.2450, 75.9735, 55.4070



45.2039, 75.9735, 99.7124

Triad

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



46.2450, 75.9735, 55.4070



77.9220, 75.9735, 208.7222



99.3831, 75.9735, 36.8411

Complementary

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



46.2450, 75.9735, 55.4070



47.9967, 27.0805, 27.8984

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.



108.2707, 75.9735, 67.7807



46.2450, 75.9735, 55.4070



94.6864, 75.9735, 173.8262

Square

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



46.2450, 75.9735, 55.4070



61.9072, 75.9735, 201.3174



106.4317, 75.9735, 117.7995



83.5980, 75.9735, 23.2358

Rectangle

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



46.2450, 75.9735, 55.4070



48.0365, 75.9735, 137.2933



106.4317, 75.9735, 117.7995



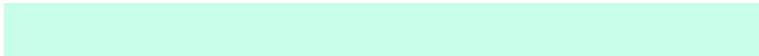
103.3780, 75.9735, 44.9504

Sweetspot

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



46.2457, 75.9739, 55.4083



73.9572, 89.5167, 90.2752



47.8311, 77.6293, 17.6183



15.3631, 18.9292, 18.8668



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.



46.2457, 75.9739, 55.4083



43.0263, 74.4820, 47.6775



50.3217, 68.4274, 105.1633



18.2317, 20.3522, 21.5232



21.8005, 38.6168, 22.6323



2.1765, 3.7815, 2.4874

Inverse Universe

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



47.9967, 27.0805, 27.8984



44.9330, 23.4035, 19.3229



45.4647, 28.1357, 8.1898



18.3079, 18.1065, 20.2387



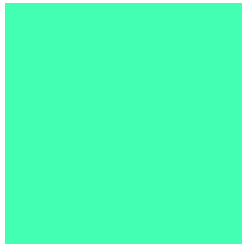
22.8496, 11.6291, 7.8584



2.2768, 1.1531, 1.0392

Previews

White Background



This preview shows how the XYZ color 46.2450, 75.9735, 55.4070 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 46.2450, 75.9735, 55.4070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

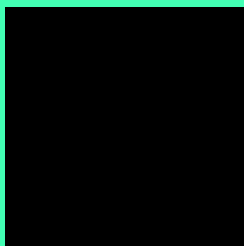
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2450, 75.9735, 55.4070

Background



This preview shows how black text looks on a background with the XYZ color 46.2450, 75.9735, 55.4070.

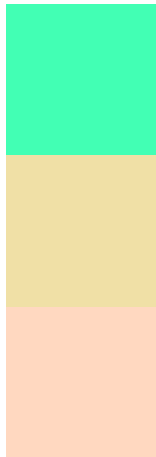


This preview shows how white text looks on a background with the XYZ color 46.2450, 75.9735,

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

46.2450, 75.9735, 55.4070

Protanopia

69.4738, 74.5897, 46.8120

Deuteranopia

75.3103, 74.1775, 60.2176



Tritanopia

60.8871, 75.5599, 105.9832

Trichromacy



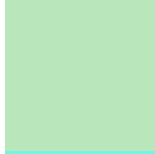
Original Color

46.2450, 75.9735, 55.4070



Protanomaly

55.1905, 71.7040, 49.4595



Deuteranomaly

57.6236, 70.6636, 58.1793



Tritanomaly

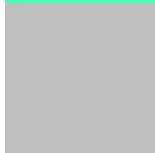
53.8585, 74.6193, 84.9631

Monochromacy



Original Color

46.2450, 75.9735, 55.4070



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.5865, 57.6580, 55.2335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2450, 75.9735, 55.4070 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(66, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(66, 255, 180)  
}
```

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(66, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 255, 180) }
```

Border

The CSS property to change the border of an element to XYZ 46.2450, 75.9735, 55.4070 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(66, 255, 180) }
```


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

```
.border{ border-color:rgb(66, 255, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 255, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(66, 255,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2450, 75.9735, 55.4070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 255, 180) }
```

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

```
.background{ background-color: rgb(66, 255,  
180) }
```

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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