

Converting Colors

XYZ(46.2023, 75.8546, 59.7833)

Have a look what the booklet for
XYZ(46.2023, 75.8546, 59.7833)
contains.

XYZ(46.2023, 75.8546, 59.7833)	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(46.2023, 75.8546,
59.7833)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFBC
RGB	51, 255, 188
RGB Percent	20%, 100%, 74%
CMY	0.8000, 0.0000, 0.2627
CMYK	0.80, 0.00, 0.26, 0.00
HSL	160°, 100%, 60%
HSV	160°, 80%, 100%
XYZ	46.2023, 75.8546, 59.7833
YIQ	186.3660, -100.0770, -64.0850

Conversions

Conversions Part 2

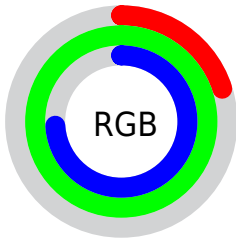
Format	Color
RYB	51, 173, 255
Decimal	3407804
CIELab	89.79, -62.86, 18.63
CIELCh	90, 65.563, 163.493
Yxy	75.8546, 0.2541, 0.4171
Android (android.graphics.Color)	4281597884 (0xFF33FFBC)
YUV	186.3660, 0.8056, -118.7160
Hunter-Lab	87.0945, -57.7240, 20.2684

Details

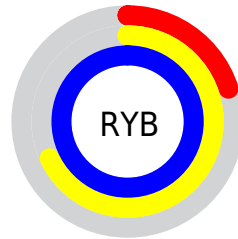
The XYZ color **46.2023, 75.8546, 59.7833** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **45.6946, 24.9366, 19.5463**, and the grayscale version is **46.9143, 49.3575, 53.7503**.

A 20% lighter version of the original color is **61.2951, 82.7975, 98.3389**, and **24.3394, 41.6818, 29.6842** is the 20% darker color. If you saturate the color by 10%, you get **44.3739, 75.0133, 55.1215**, and if you desaturate by 10%, it is **48.7879, 77.0802, 64.7567**.

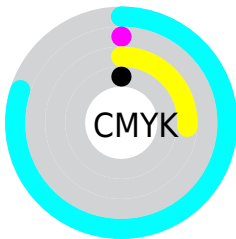
Distribution



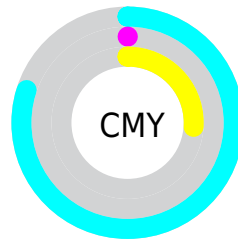
- Red (20%)
- Green (100%)
- Blue (74%)



- Red (20%)
- Yellow (68%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2023, 75.8546, 59.7833 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 46.2023, 75.8546, 59.7833 by changing the saturation by 10% instead.


 46.2023, 75.8546,
59.7833


 46.2023, 75.8546,
59.7833


362.3237,
480.8498, 441.5810


 32.6108, 56.3133,
42.8198


 83.7477, 127.5214,
106.0555


 21.9863, 40.4542,
29.4134


 108.4323,
160.4156, 136.2014

 13.9633, 27.8928,
19.1455


 137.5453,
198.5296, 171.5785

 8.1767, 18.2449,
11.5976

 171.4520,
242.2477, 212.6053

 4.2610, 11.1259,
6.3511

210.5179,
291.9544, 259.7004

 1.8508, 6.1516,
2.9875

255.1082,

 0.5480, 2.9375,

348.0341, 313.2824

1.0883

305.5884,
410.8711, 373.7698

■ 0.0000, 1.0992,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.2023, 75.8546,
59.7833

■ 46.2023, 75.8546,
59.7833

■ 44.3739, 75.0133,
55.1215

■ 48.7879, 77.0802,
64.7567

■ 43.1349, 74.4700,
50.7550

■ 52.2300, 78.7411,
70.0468

■ 43.1345, 74.4698,
50.7536

■ 56.6148, 80.8818,
75.6635

■ 62.0167, 83.5404,
81.6145

■ 68.5028, 86.7516,
87.9071

■ 76.1340, 90.5465,
94.5483

■ 84.9667, 94.9542,
101.5446

■ 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.



52.7418, 75.8546, 33.3648



46.2023, 75.8546, 59.7833



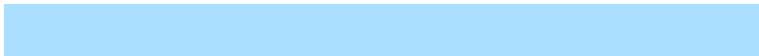
45.8883, 75.8546, 105.1650

Triad

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



46.2023, 75.8546, 59.7833



79.5997, 75.8546, 202.9958



97.0932, 75.8546, 35.2081

Complementary

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



46.2023, 75.8546, 59.7833



45.6946, 24.9366, 19.5463

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.



106.7625, 75.8546, 63.5062



46.2023, 75.8546, 59.7833



95.6894, 75.8546, 165.5179

Square

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



46.2023, 75.8546, 59.7833



63.6175, 75.8546, 200.7955



106.2134, 75.8546, 110.5713



81.2996, 75.8546, 23.2485

Rectangle

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



46.2023, 75.8546, 59.7833



49.1483, 75.8546, 142.1344



106.2134, 75.8546, 110.5713



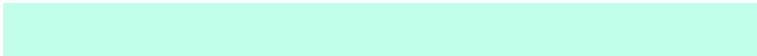
101.2662, 75.8546, 42.5488

Sweetspot

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



46.2030, 75.8550, 59.7846



72.9378, 88.9553, 91.8473



43.9663, 75.6814, 15.4237



15.0369, 18.7543, 19.1547



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.



46.2030, 75.8550, 59.7846



43.5863, 74.6652, 52.4661



45.2725, 59.6377, 103.7329



18.2863, 20.3740, 21.8104



22.6105, 38.9408, 26.8979



2.2519, 3.8117, 2.8845

Inverse Universe

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



45.6946, 24.9366, 19.5463



43.2218, 22.2299, 11.8202



45.0868, 27.9972, 6.1606



18.2553, 18.0854, 19.9618



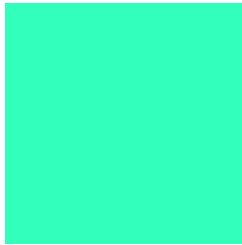
22.4408, 11.4656, 5.7056



2.2329, 1.1355, 0.8079

Previews

White Background



This preview shows how the XYZ color 46.2023, 75.8546, 59.7833 looks on a white background.

Color Contrast Check

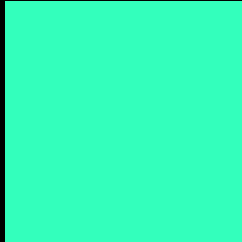
Large Text (above 18pt) WCAG AA × Fail

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 46.2023, 75.8546, 59.7833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

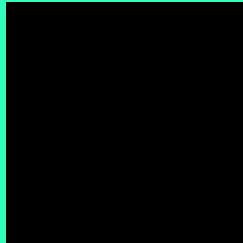
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2023, 75.8546, 59.7833

Background



This preview shows how black text looks on a background with the XYZ color 46.2023, 75.8546, 59.7833.

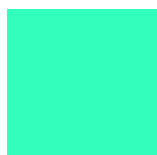


This preview shows how white text looks on a background with the XYZ color 46.2023, 75.8546,

Color Blindness Simulation

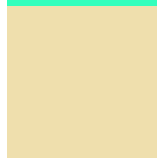
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



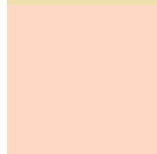
Original Color

46.2023, 75.8546, 59.7833



Protanopia

69.5271, 74.1432, 50.1818



Deuteranopia

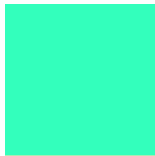
75.6185, 73.8921, 63.1004



Tritanopia

60.3654, 75.2910, 105.9588

Trichromacy



Original Color

46.2023, 75.8546, 59.7833



Protanomaly

54.5388, 71.2889, 53.0051



Deuteranomaly

57.0905, 70.3124, 61.6016



Tritanomaly

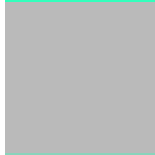
53.3829, 74.3255, 87.1340

Monochromacy



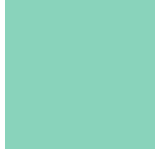
Original Color

46.2023, 75.8546, 59.7833



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

42.5804, 55.4948, 55.4810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2023, 75.8546, 59.7833 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(51, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 188)  
}
```

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(51, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 188) }
```

Border

The CSS property to change the border of an element to XYZ 46.2023, 75.8546, 59.7833 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(51, 255, 188) }
```


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

```
.border{ border-color:rgb(51, 255, 188) }
```

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

Here you see how a box with a 4 pixel rgb(51, 255, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 188);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2023, 75.8546, 59.7833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 188) }
```

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

```
.background{ background-color: rgb(51, 255,  
188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor