

Converting Colors

XYZ(46.1060, 73.4042, 60.2005)

Have a look what the booklet for
XYZ(46.1060, 73.4042, 60.2005)
contains.

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Color

**XYZ(46.1524, 73.4666,
60.4632)**

Conversions

Conversions Part 1

Format	Color
Hex	48FABE
RGB	72, 250, 190
RGB Percent	28%, 98%, 75%
CMY	0.7176, 0.0196, 0.2549
CMYK	0.71, 0.00, 0.24, 0.02
HSL	160°, 95%, 63%
HSV	160°, 71%, 98%
XYZ	46.1524, 73.4666, 60.4632
YIQ	189.9380, -86.8280, -56.3960

Conversions

Conversions Part 2

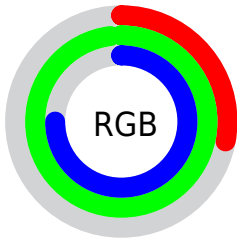
Format	Color
RYB	72, 179, 250
Decimal	4782782
CIELab	88.67, -58.17, 16.08
CIELCh	89, 60.347, 164.550
Yxy	73.4666, 0.2563, 0.4080
Android (android.graphics.Color)	4282972862 (0xFF48FABE)
YUV	189.9380, 0.0306, -103.4316
Hunter-Lab	85.7127, -53.8830, 18.1747

Details

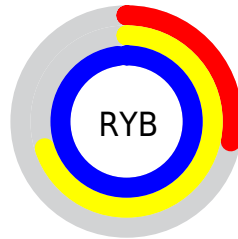
The XYZ color **46.1524, 73.4666, 60.4632** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **45.9091, 26.6266, 24.5529**, and the grayscale version is **48.9457, 51.4947, 56.0777**.

A 20% lighter version of the original color is **63.5499, 83.9246, 100.0384**, and **23.3650, 39.5054, 30.0608** is the 20% darker color. If you saturate the color by 10%, you get **43.7591, 72.3380, 55.6822**, and if you desaturate by 10%, it is **49.3601, 75.0126, 65.5637**.

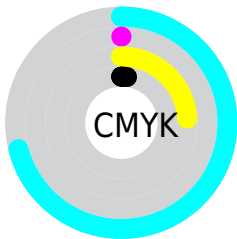
Distribution



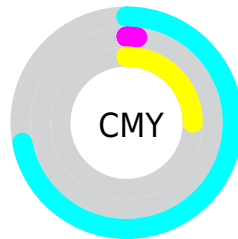
- Red (28%)
- Green (98%)
- Blue (75%)



- Red (28%)
- Yellow (70%)
- Blue (98%)



- Cyan (71%)
- Magenta (0%)
- Yellow (24%)
- Black (2%)





- Cyan (72%)
- Magenta (2%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1524, 73.4666, 60.4632 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 46.1524, 73.4666, 60.4632 by changing the saturation by 10% instead.

 46.1524, 73.4666,
60.4632

 46.1524, 73.4666,
60.4632


362.1267,
472.6304, 444.1550


 32.5712, 54.3576,
43.3644


 83.6735, 124.1394,
107.0512


 21.9558, 38.8876,
29.8376


 108.3441,
156.4719, 137.3775

 13.9409, 26.6723,
19.4643


 137.4420,
193.9811, 172.9500

 8.1610, 17.3273,
11.8261

 171.3324,
237.0513, 214.1873

 4.2508, 10.4681,
6.5043

210.3807,
286.0670, 261.5079

 1.8450, 5.7104,
3.0804

254.9523,

 0.5445, 2.6698,

341.4124, 315.3304

1.1358

305.4125,
403.4721, 376.0732

■ 0.0000, 0.9619,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.1524, 73.4666,
60.4632

■ 46.1524, 73.4666,
60.4632

■ 43.7591, 72.3380,
55.6822

■ 49.3601, 75.0126,
65.5637


■ 42.0750, 71.5672,
51.2061


■ 53.4591, 77.0099,
70.9868


■ 41.0449, 71.1169,
47.5098


■ 58.5234, 79.4985,
76.7422

■ 64.6176, 82.5116,
82.8372

 71.8006, 86.0794,
89.2788

 80.1266, 90.2299,
96.0736

 89.6463, 94.9889,
103.2281

 93.4768, 96.8537,
108.3756

Harmonies

Analogous

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



51.9574, 73.4666, 35.3507



46.1524, 73.4666, 60.4632



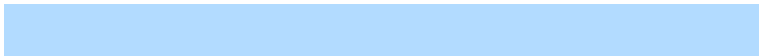
46.0661, 73.4666, 101.8947

Triad

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



46.1524, 73.4666, 60.4632



77.1066, 73.4666, 185.5201



91.7598, 73.4666, 35.8698

Complementary

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



46.1524, 73.4666, 60.4632



45.9091, 26.6266, 24.5529

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.



100.6123, 73.4666, 61.4780



46.1524, 73.4666, 60.4632



91.3873, 73.4666, 151.8903

Square

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



46.1524, 73.4666, 60.4632



62.6263, 73.4666, 184.9496



100.4672, 73.4666, 103.3306



77.5612, 73.4666, 24.8964

Rectangle

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



46.1524, 73.4666, 60.4632



49.1987, 73.4666, 134.6805



100.4672, 73.4666, 103.3306



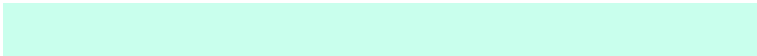
95.5419, 73.4666, 42.5669

Sweetspot

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



46.1544, 73.4695, 60.4649



75.2471, 90.1114, 93.5087



45.2372, 73.9352, 18.0188



15.6351, 19.0533, 19.6078



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

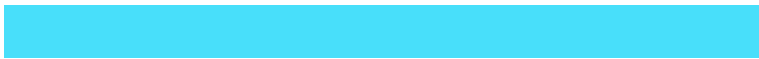
The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.1544, 73.4695, 60.4649



45.0053, 75.3115, 56.3851



46.3981, 61.2186, 99.8167



17.5026, 19.5033, 20.8471



21.8406, 37.7492, 25.5675



2.0722, 3.5160, 2.6281

Inverse Universe

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



45.9091, 26.6266, 24.5529



44.8278, 23.8169, 17.3646



45.0298, 29.6609, 9.4840



17.4860, 17.3218, 19.1490



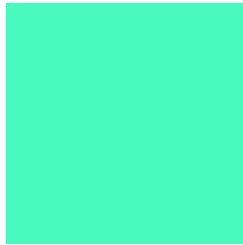
21.8263, 11.1462, 5.7935



2.0688, 1.0512, 0.7855

Previews

White Background



This preview shows how the XYZ color 46.1524, 73.4666, 60.4632 looks on a white background.

Color Contrast Check

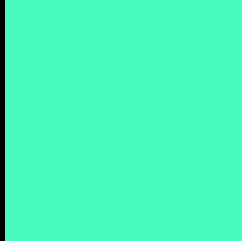
Large Text (above 18pt) WCAG AA × Fail

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 46.1524, 73.4666, 60.4632 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 46.1524, 73.4666, 60.4632

Background



This preview shows how black text looks on a background with the XYZ color 46.1524, 73.4666, 60.4632.



This preview shows how white text looks on a background with the XYZ color 46.1524, 73.4666, 60.4632.

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

46.1524, 73.4666, 60.4632

Protanopia

67.3614, 71.8134, 51.3853

Deuteranopia

73.4116, 71.9897, 63.4523



Tritanopia

57.6778, 73.0362, 105.6652

Trichromacy



Original Color

46.1524, 73.4666, 60.4632



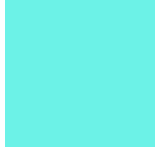
Protanomaly

54.5956, 69.6020, 54.2731



Deuteranomaly

57.0543, 68.6471, 61.8729



Tritanomaly

52.3603, 72.4619, 86.8282

Monochromacy



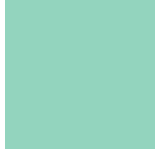
Original Color

46.1524, 73.4666, 60.4632



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.8704, 57.0077, 57.3539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1524, 73.4666, 60.4632 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(72, 250, 190)` looks like.

```
.text, #text, p{  
    color:rgb(72, 250, 190)  
}
```

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(72, 250, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 250, 190) }
```

Border

The CSS property to change the border of an element to XYZ 46.1524, 73.4666, 60.4632 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(72, 250, 190) }
```


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

```
.border{ border-color:rgb(72, 250, 190) }
```

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

Here you see how a box with a 4 pixel rgb(72, 250, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 250, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 250, 190);  
box-shadow:4px 4px 4px 4px rgb(72, 250,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1524, 73.4666, 60.4632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 250, 190) }
```

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

```
.background{ background-color: rgb(72, 250,  
190) }
```

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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