

Converting Colors

XYZ(44.7530, 73.6070, 48.9988)

Have a look what the booklet for
XYZ(44.7530, 73.6070, 48.9988)
contains.

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Color

**XYZ(44.6256, 73.3993,
48.8613)**

Conversions

Conversions Part 1

Format	Color
Hex	4DFBA8
RGB	77, 251, 168
RGB Percent	30%, 98%, 66%
CMY	0.6980, 0.0157, 0.3412
CMYK	0.69, 0.00, 0.33, 0.02
HSL	151°, 96%, 64%
HSV	151°, 69%, 98%
XYZ	44.6256, 73.3993, 48.8613
YIQ	189.5120, -77.0610, -62.7010

Conversions

Conversions Part 2

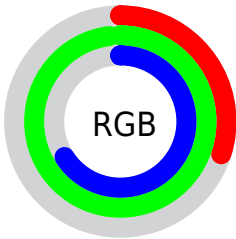
Format	Color
RYB	77, 191, 251
Decimal	5110696
CIELab	88.64, -62.41, 27.29
CIELCh	89, 68.117, 156.382
Yxy	73.3993, 0.2674, 0.4398
Android (android.graphics.Color)	4283300776 (0xFF4DFBA8)
YUV	189.5120, -10.6054, -98.6730
Hunter-Lab	85.6734, -56.9513, 26.1571

Details

The XYZ color **44.6256, 73.3993, 48.8613** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **48.7850, 28.3566, 36.1623**, and the grayscale version is **48.7554, 51.2945, 55.8597**.

A 20% lighter version of the original color is **60.8916, 82.9216, 83.3171**, and **22.1645, 39.3777, 22.6521** is the 20% darker color. If you saturate the color by 10%, you get **41.9130, 72.1259, 43.1781**, and if you desaturate by 10%, it is **48.2256, 75.1222, 55.1255**.

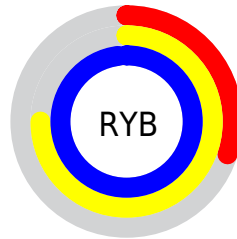
Distribution



Red (30%)

Green (98%)

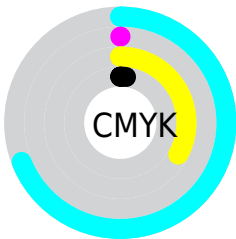
Blue (66%)



Red (30%)

Yellow (75%)

Blue (98%)

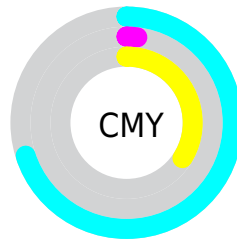


Cyan (69%)

Magenta (0%)

Yellow (33%)

Black (2%)



Cyan (70%)


Magenta (2%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.6256, 73.3993, 48.8613 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 44.6256, 73.3993, 48.8613 by changing the saturation by 10% instead.


 44.6256, 73.3993,
48.8613


 44.6256, 73.3993,
48.8613

356.0644,
472.3976, 398.8028


 31.3626, 54.3025,
34.1446


 81.3988, 124.0439,
89.8643


 21.0283, 38.8436,
22.7265


 105.6398,
156.3605, 116.9877

 13.2573, 26.6381,
14.1883


 134.2709,
193.8525, 149.0837

 7.6842, 17.3016,
8.1115

 167.6573,
236.9044, 186.5710

 3.9436, 10.4497,
4.0776

206.1645,
285.9004, 229.8680

 1.6703, 5.6982,
1.6680

250.1579,

 0.4376, 2.6624,

341.2250, 279.3932

0.3387

300.0027,
403.2626, 335.5653

■ 0.0000, 0.9581,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.6256, 73.3993,
48.8613

■ 44.6256, 73.3993,
48.8613

■ 41.9130, 72.1259,
43.1781

■ 48.2256, 75.1222,
55.1255

■ 39.9836, 71.2427,
38.0518


■ 52.7902, 77.3283,
61.9833


■ 38.6903, 70.6763,
33.4621

■ 58.3944, 80.0579,
69.4532


■ 38.6136, 70.6431,
33.1693

■ 65.1037, 83.3444,
77.5511

 72.9782, 87.2185,
86.2924

 82.0735, 91.7087,
95.6916

 92.4414, 96.8413,
105.7630

 93.7885, 97.4771,
108.4795

Harmonies

Analogous

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



52.6442, 73.3993, 26.9485



44.6256, 73.3993, 48.8613



42.8301, 73.3993, 90.4099

Triad

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



44.6256, 73.3993, 48.8613



73.3366, 73.3993, 207.8615



98.4308, 73.3993, 37.3514

Complementary

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



44.6256, 73.3993, 48.8613



48.7850, 28.3566, 36.1623

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.



106.1271, 73.3993, 70.2735



44.6256, 73.3993, 48.8613



90.2427, 73.3993, 177.1967

Square

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



44.6256, 73.3993, 48.8613



57.8510, 73.3993, 194.8626



102.9170, 73.3993, 121.9496



83.2091, 73.3993, 22.3618

Rectangle

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



44.6256, 73.3993, 48.8613



45.1057, 73.3993, 127.2701



102.9170, 73.3993, 121.9496



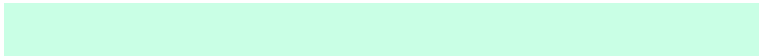
102.0843, 73.3993, 46.0658

Sweetspot

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



44.6275, 73.4022, 48.8630



74.1751, 89.6826, 87.8637



50.5571, 77.1208, 19.2430



15.3797, 18.9512, 18.2628



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.



44.6275, 73.4022, 48.8630



42.6070, 74.3756, 42.6991



54.0736, 75.7422, 103.0401



17.3966, 19.4609, 20.2889



20.3703, 37.1611, 17.8251



1.9402, 3.4632, 1.9332

Inverse Universe

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



48.7850, 28.3566, 36.1623



47.1745, 25.0365, 28.8566



43.9865, 26.7691, 9.8705



17.5894, 17.3631, 19.6936



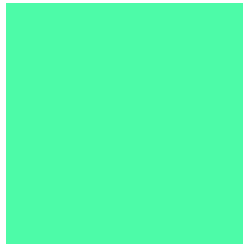
22.7580, 11.5189, 10.6998



2.1610, 1.0881, 1.2711

Previews

White Background



This preview shows how the XYZ color 44.6256, 73.3993, 48.8613 looks on a white background.

Color Contrast Check

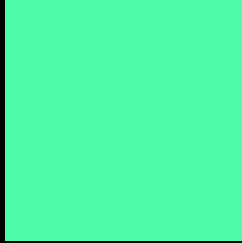
Large Text (above 18pt) WCAG AA × Fail

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 44.6256, 73.3993, 48.8613 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 44.6256, 73.3993, 48.8613

Background



This preview shows how black text looks on a background with the XYZ color 44.6256, 73.3993, 48.8613.

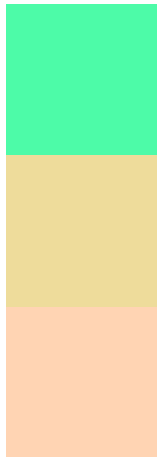


This preview shows how white text looks on a background with the XYZ color 44.6256, 73.3993,

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

44.6256, 73.3993, 48.8613

Protanopia

66.7695, 71.7301, 41.3365

Deuteranopia

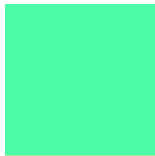
72.9202, 71.6016, 52.6250



Tritanopia

57.9846, 73.1944, 105.6796

Trichromacy



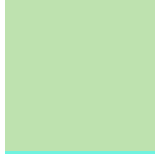
Original Color

44.6256, 73.3993, 48.8613



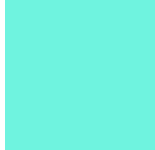
Protanomaly

53.5115, 69.2736, 43.8085



Deuteranomaly

56.1694, 68.4350, 50.8063



Tritanomaly

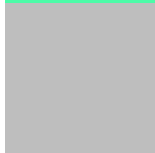
51.9254, 72.8084, 81.1287

Monochromacy



Original Color

44.6256, 73.3993, 48.8613



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.3814, 56.8539, 52.8907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6256, 73.3993, 48.8613 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(77, 251, 168)` looks like.

```
.text, #text, p{  
    color:rgb(77, 251, 168)  
}
```

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(77, 251, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 251, 168) }
```

Border

The CSS property to change the border of an element to XYZ 44.6256, 73.3993, 48.8613 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(77, 251, 168) }
```


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

```
.border{ border-color:rgb(77, 251, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 251, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 251, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 251, 168);  
box-shadow:4px 4px 4px 4px rgb(77, 251,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6256, 73.3993, 48.8613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 251, 168) }
```

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

```
.background{ background-color: rgb(77, 251,  
168) }
```

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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