

# Converting Colors

XYZ(44.3213, 70.2170, 41.1452)

Have a look what the booklet for  
XYZ(44.3213, 70.2170, 41.1452)  
contains.

<b>XYZ(44.4071, 70.2525, 41.3566)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(44.4071, 70.2525,  
41.3566)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DF499
RGB	109, 244, 153
RGB Percent	43%, 96%, 60%
CMY	0.5725, 0.0431, 0.4000
CMYK	0.55, 0.00, 0.37, 0.04
HSL	140°, 86%, 69%
HSV	140°, 55%, 96%
XYZ	44.4071, 70.2525, 41.3566
YIQ	193.2610, -51.2490, -56.9210

# Conversions

## Conversions Part 2

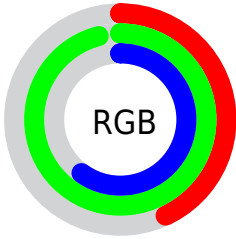
Format	Color
<a href="#">RYB</a>	<a href="#">109, 211, 244</a>
Decimal	<a href="#">7206041</a>
CIELab	<a href="#">87.12, -56.51, 32.95</a>
CIELCh	<a href="#">87, 65.413, 149.750</a>
Yxy	<a href="#">70.2525, 0.2846, 0.4503</a>
Android (android.graphics.Color)	<a href="#">4285396121 (0xFF6DF499)</a>
YUV	<a href="#">193.2610, -19.8487, -73.8969</a>
Hunter-Lab	<a href="#">83.8168, -52.1080, 29.4171</a>

# Details

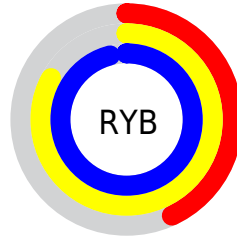
The XYZ color **44.4071, 70.2525, 41.3566** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **53.2043, 34.3418, 58.4702**, and the grayscale version is **50.9784, 53.6332, 58.4066**.

A 20% lighter version of the original color is **63.5074, 84.5091, 72.6392**, and **20.9560, 36.9116, 18.3321** is the 20% darker color. If you saturate the color by 10%, you get **40.5457, 68.4101, 34.5674**, and if you desaturate by 10%, it is **49.2923, 72.6049, 49.1743**.

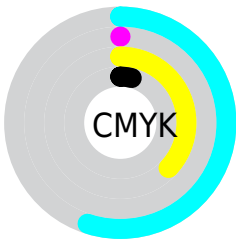
# Distribution



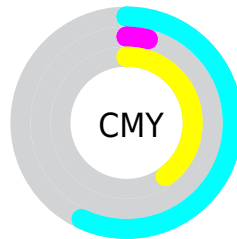
- Red (43%)
- Green (96%)
- Blue (60%)



- Red (43%)
- Yellow (83%)
- Blue (96%)



- Cyan (55%)
- Magenta (0%)
- Yellow (37%)
- Black (4%)




- Cyan (57%)
- Magenta (4%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4071, 70.2525, 41.3566 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 44.4071, 70.2525, 41.3566 by changing the saturation by 10% instead.





 44.4071, 70.2525,  
41.3566


 44.4071, 70.2525,  
41.3566


355.1912,  
461.4361, 367.5295


 31.1900, 51.7324,  
28.2760


 81.0725, 119.5688,  
78.4845

 20.8961, 36.7918,  
18.2930


 105.2516,  
151.1337, 103.3689

 13.1601, 25.0464,  
10.9889


 133.8152,  
187.8158, 133.0249

 7.6166, 16.1116,  
5.9453

167.1290,  
229.9993, 167.8712

 3.9004, 9.6032,  
2.7436

205.5580,  
278.0687, 208.3263

 1.6459, 5.1366,  
0.9653

249.4679,

 0.4221, 2.3277,

332.4084, 254.8087

0.0000

299.2238,  
393.4027, 307.7369

0.0000, 0.7883,  
0.0000

0.0000, 0.0000,  
0.0000

44.4071, 70.2525,  
41.3566

44.4071, 70.2525,  
41.3566

40.5457, 68.4101,  
34.5674

49.2923, 72.6049,  
49.1743

37.6243, 67.0297,  
28.7585


55.2659, 75.4940,  
58.0565


35.5541, 66.0681,  
23.8848


62.3931, 78.9546,  
68.0433


34.2244, 65.4696,  
19.8954

70.7325, 83.0160,  
79.1710

 33.7826, 65.2763,  
18.3173

 80.3386, 87.7058,  
91.4746

 91.1134, 92.9726,  
104.9804

 91.6420, 93.1841,  
107.7640

# Harmonies

## Analogous

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



53.1865, 70.2525, 24.1132



44.4071, 70.2525, 41.3566



41.4186, 70.2525, 76.1258

# Triad

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



44.4071, 70.2525, 41.3566



66.6445, 70.2525, 195.7924



95.7768, 70.2525, 41.7809

# Complementary

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



44.4071, 70.2525, 41.3566



53.2043, 34.3418, 58.4702

# 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.



100.8039, 70.2525, 76.8615



44.4071, 70.2525, 41.3566



82.4959, 70.2525, 175.7005

# Square

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



44.4071, 70.2525, 41.3566



52.9956, 70.2525, 175.0609



95.6136, 70.2525, 127.3958



82.7523, 70.2525, 24.2840



# Rectangle

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



44.4071, 70.2525, 41.3566



42.6926, 70.2525, 108.7175



95.6136, 70.2525, 127.3958



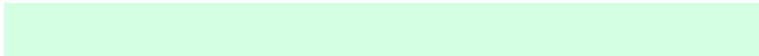
98.5393, 70.2525, 51.3627

# Sweetspot

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



44.4089, 70.2554, 41.3582



76.5077, 90.9439, 85.3141



59.2681, 78.2609, 26.4506



15.9650, 19.2656, 17.7180



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.



44.4089, 70.2554, 41.3582



44.5115, 75.4714, 37.6372



51.4786, 73.0832, 78.5865



16.5049, 18.5611, 18.6769



18.4240, 35.5144, 10.2525



1.6646, 3.1395, 1.1395



# Inverse Universe

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



53.2043, 34.3418, 58.4702



55.0664, 32.2049, 58.0473



47.0644, 31.8859, 26.1377



16.9705, 16.6710, 19.5912



24.0185, 11.9508, 20.6036

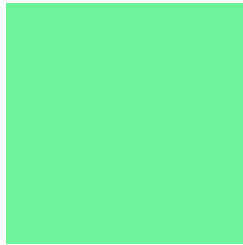


2.1581, 1.0692, 2.0588



# Previews

## White Background



This preview shows how the XYZ color 44.4071, 70.2525, 41.3566 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 44.4071, 70.2525, 41.3566 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

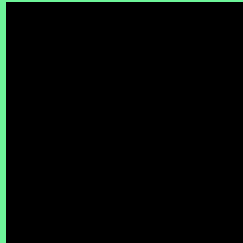
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.4071, 70.2525, 41.3566**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4071, 70.2525, 41.3566.



This preview shows how white text looks on a background with the XYZ color 44.4071, 70.2525,



# 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

44.4071, 70.2525, 41.3566

### Protanopia

63.9563, 69.2409, 35.5852

### Deuteranopia

70.3175, 68.9804, 43.7908



## Tritanopia

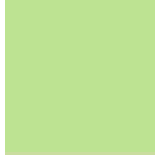
56.2609, 69.8292, 101.7799

# Trichromacy



## Original Color

44.4071, 70.2525, 41.3566



## Protanomaly

53.6437, 67.8323, 37.4598



## Deuteranomaly

56.4716, 66.7727, 42.7129



## Tritanomaly

50.8654, 69.3328, 74.9917

# Monochromacy



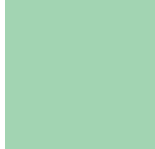
## Original Color

44.4071, 70.2525, 41.3566



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

46.4797, 57.9827, 50.8615

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4071, 70.2525, 41.3566 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(109, 244, 153)` looks like.

```
.text, #text, p{  
    color:rgb(109, 244, 153)  
}
```

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(109, 244, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 244, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4071, 70.2525, 41.3566 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(109, 244, 153) }
```



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

```
.border{ border-color:rgb(109, 244, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 244, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 244, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 244, 153);  
box-shadow:4px 4px 4px 4px rgb(109, 244,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4071, 70.2525, 41.3566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 244, 153) }
```

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

```
.background{ background-color: rgb(109,  
244, 153) }
```

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