

# Converting Colors

XYZ(42.9321, 66.0370, 17.0977)

Have a look what the booklet for  
XYZ(42.9321, 66.0370, 17.0977)  
contains.

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# Color

**XYZ(43.0110, 66.1277,  
17.1536)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93EB4B
RGB	147, 235, 75
RGB Percent	58%, 92%, 29%
CMY	0.4235, 0.0784, 0.7059
CMYK	0.37, 0.00, 0.68, 0.08
HSL	93°, 80%, 61%
HSV	93°, 68%, 92%
XYZ	43.0110, 66.1277, 17.1536
YIQ	190.4480, -1.0880, -68.4160

# Conversions

## Conversions Part 2

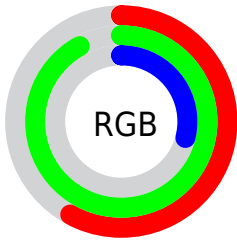
Format	Color
<a href="#">RYB</a>	<a href="#">75, 235, 163</a>
Decimal	<a href="#">9694027</a>
CIELab	<a href="#">85.06, -51.74, 66.23</a>
CIElCh	<a href="#">85, 84.042, 127.999</a>
Yxy	<a href="#">66.1277, 0.3406, 0.5236</a>
Android (android.graphics.Color)	<a href="#">4287884107 (0xFF93EB4B)</a>
YUV	<a href="#">190.4480, -56.9159, -38.1039</a>
Hunter-Lab	<a href="#">81.3189, -47.8964, 44.4165</a>

# Details

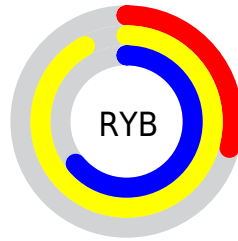
The XYZ color **43.0110, 66.1277, 17.1536** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **32.6188, 18.8189, 80.5141**, and the grayscale version is **49.5227, 52.1017, 56.7387**.

A 20% lighter version of the original color is **65.3103, 86.2805, 34.6843**, and **20.1446, 34.3149, 5.5617** is the 20% darker color. If you saturate the color by 10%, you get **40.1618, 64.7374, 13.5695**, and if you desaturate by 10%, it is **46.4207, 67.7768, 22.3165**.

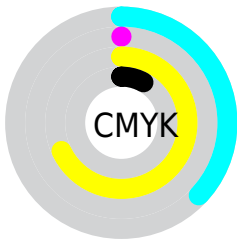
# Distribution



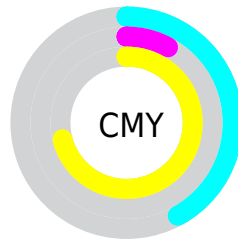
- Red (58%)
- Green (92%)
- Blue (29%)



- Red (29%)
- Yellow (92%)
- Blue (64%)



- Cyan (37%)
- Magenta (0%)
- Yellow (68%)
- Black (8%)




- Cyan (42%)
- Magenta (8%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0110, 66.1277, 17.1536 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 43.0110, 66.1277, 17.1536 by changing the saturation by 10% instead.





 43.0110, 66.1277,  
17.1536

 43.0110, 66.1277,  
17.1536


349.5778,  
446.8334, 248.1298

 30.0883, 48.3761,  
10.1810


 78.9831, 113.6696,  
39.3839

 20.0540, 34.1248,  
5.4119


 102.7632,  
144.2287, 55.4787


 12.5428, 22.9895,  
2.4280


 130.8931,  
179.8257, 75.4513

 7.1893, 14.5857,  
0.8016

 163.7382,  
220.8450, 99.7202

 3.6282, 8.5292,  
0.0000

 201.6639,  
267.6710, 128.7039

 1.4940, 4.4354,  
0.0000

245.0354,

 0.3217, 1.9200,

320.6882, 162.8211

0.0000

294.2183,  
380.2809, 202.4902

■ 0.0000, 0.5603,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 43.0110, 66.1277,  
17.1536

■ 43.0110, 66.1277,  
17.1536

■ 40.1618, 64.7374,  
13.5695

■ 46.4207, 67.7768,  
22.3165

■ 37.8253, 63.5790,  
11.3772


■ 50.4239, 69.6921,  
29.2087


■ 35.9458, 62.6314,  
10.3239

■ 55.0556, 71.8908,  
37.9680


■ 35.6233, 62.4680,  
10.1800

■ 60.3466, 74.3860,  
48.7170

 66.3254, 77.1899,  
61.5681

 73.0186, 80.3140,  
76.6250

 80.4512, 83.7692,  
93.9848

 87.3305, 87.0389,  
106.8051

 88.9997, 87.8994,  
106.8832

# Harmonies

## Analogous

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



57.9247, 66.1277, 10.2632



43.0110, 66.1277, 17.1536



34.7971, 66.1277, 39.6000

# Triad

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



43.0110, 66.1277, 17.1536



50.1858, 66.1277, 218.2366



106.1972, 66.1277, 58.4548

# Complementary

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



43.0110, 66.1277, 17.1536



32.6188, 18.8189, 80.5141

# 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.



102.9745, 66.1277, 118.5077



43.0110, 66.1277, 17.1536



68.0520, 66.1277, 232.2944

# Square

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



43.0110, 66.1277, 17.1536



38.3232, 66.1277, 157.0743



88.0141, 66.1277, 189.2579



96.0980, 66.1277, 25.0217



# Rectangle

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



43.0110, 66.1277, 17.1536



33.0558, 66.1277, 68.4255



88.0141, 66.1277, 189.2579



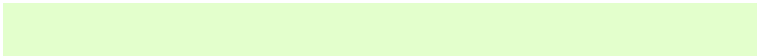
106.6686, 66.1277, 75.7006

# Sweetspot

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



43.0126, 66.1306, 17.1550



78.3214, 92.2021, 70.7956



48.6308, 44.3672, 12.6582



16.3211, 19.5275, 14.1938



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.



43.0126, 66.1306, 17.1550



47.0645, 77.2909, 15.0125



34.1733, 61.5401, 18.2620



15.5120, 17.1940, 16.0199



19.9675, 34.8381, 5.6720



1.6773, 2.7920, 0.4505



# Inverse Universe

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



32.6188, 18.8189, 80.5141



33.7032, 16.7340, 96.0614



50.6448, 28.2422, 75.4586



15.0233, 14.9573, 19.0175



13.5551, 6.0239, 44.1912



1.1750, 0.5300, 3.4752



# Previews

## White Background



This preview shows how the XYZ color 43.0110, 66.1277, 17.1536 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 43.0110, 66.1277, 17.1536 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 43.0110, 66.1277, 17.1536**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.0110, 66.1277, 17.1536.



This preview shows how white text looks on a background with the XYZ color 43.0110, 66.1277,



# 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

43.0110, 66.1277, 17.1536

### Protanopia

59.5427, 65.5212, 15.1388

### Deuteranopia

65.9257, 65.3038, 26.5830



## Tritanopia

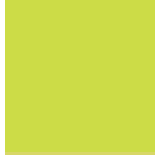
57.6738, 65.9588, 89.8123

# Trichromacy



## Original Color

43.0110, 66.1277, 17.1536



## Protanomaly

51.6324, 64.4787, 15.6856



## Deuteranomaly

55.0675, 64.1791, 22.3174



## Tritanomaly

49.8614, 64.7462, 51.9888

# Monochromacy



## Original Color

43.0110, 66.1277, 17.1536



## Achromatopsia

48.9429, 51.4918, 56.0745



## Achromatomaly

44.8722, 55.2794, 36.3220

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.0110, 66.1277, 17.1536 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(147, 235, 75)` looks like.

```
.text, #text, p{  
    color:rgb(147, 235, 75)  
}
```

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(147, 235, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 235, 75) }
```

## Border

The CSS property to change the border of an element to XYZ 43.0110, 66.1277, 17.1536 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(147, 235, 75) }
```



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

```
.border{ border-color:rgb(147, 235, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 235, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 235, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 235, 75);  
box-shadow:4px 4px 4px 4px rgb(147, 235,  
75) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.0110, 66.1277, 17.1536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 235, 75) }
```

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

```
.background{ background-color: rgb(147,  
235, 75) }
```

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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