

# Converting Colors

XYZ(36.6676, 54.6752, 8.6223)

Have a look what the booklet for  
XYZ(36.6676, 54.6752, 8.6223)  
contains.

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# Color

**XYZ(36.6242, 54.5772,  
8.6041)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96D600
RGB	150, 214, 0
RGB Percent	59%, 84%, 0%
CMY	0.4118, 0.1608, 0.9999
CMYK	0.30, 0.00, 1.00, 0.16
HSL	78°, 100%, 42%
HSV	78°, 100%, 84%
XYZ	36.6242, 54.5772, 8.6041
YIQ	170.4680, 30.5500, -80.1220

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 214, 64
Decimal	9885184
CIELab	78.80, -44.77, 77.62
CIELCh	79, 89.603, 119.974
Yxy	54.5772, 0.3670, 0.5468
Android (android.graphics.Color)	4288075264 (0xFF96D600)
YUV	170.4680, -84.0407, -17.9504
Hunter-Lab	73.8764, -40.7923, 44.8082

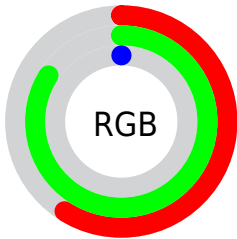
# Details

The XYZ color **36.6242, 54.5772, 8.6041** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **14.2548, 5.9468, 64.0182**, and the grayscale version is **38.8415, 40.8643, 44.5013**.

A 20% lighter version of the original color is **63.6942, 85.7312, 21.7851**, and **16.8118, 27.0716, 4.3393** is the 20% darker color. If you saturate the color by 10%, you get **36.6239, 54.5789, 8.6045**, and if you desaturate by 10%, it is **37.9751, 55.2593, 9.3949**.

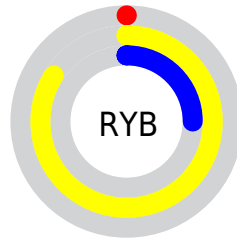
# Distribution



Red (59%)

Green (84%)

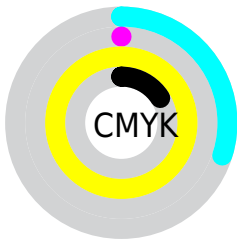
Blue (0%)



Red (0%)

Yellow (84%)

Blue (25%)

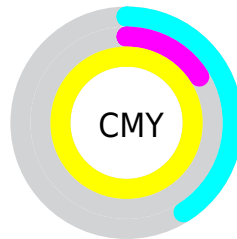


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (41%)

Magenta (16%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6242, 54.5772, 8.6041 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 36.6242, 54.5772, 8.6041 by changing the saturation by 10% instead.





 36.6242, 54.5772,  
8.6041


 36.6242, 54.5772,  
8.6041


323.0645,  
404.3072, 190.5044


 25.0890, 39.0633,  
4.3906


 69.3120, 96.9212,  
23.6999

 16.2725, 26.8090,  
1.8420

 91.1953, 124.5201,  
35.4193


 9.8092, 17.4298,  
0.4554


 117.2587,  
156.9162, 50.4777

 5.3339, 10.5414,  
0.0000

 147.8676,  
194.4938, 69.2937

 2.4813, 5.7594,  
0.0000

 183.3872,  
237.6373, 92.2859

 0.8858, 2.6993,  
0.0000

 224.1830,

 0.0000, 0.9769,

286.7311, 119.8727

0.0000

270.6203,  
342.1596, 152.4727

■ 0.0000, 0.0000,  
0.0000

■ 36.6242, 54.5772,  
8.6041

■ 36.6242, 54.5772,  
8.6041

■ 36.6239, 54.5789,  
8.6045

■ 37.9751, 55.2593,  
9.3949

■ 39.5443, 56.0344,  
11.0003

■ 41.3855, 56.9259,  
13.6909

■ 43.5277, 57.9456,  
17.6159

■ 45.9958, 59.1035,  
22.9013

■ 48.8118, 60.4086,  
29.6574

■ 51.9952, 61.8687,  
37.9831

■ 55.5641, 63.4912,  
47.9690

■ 59.5353, 65.2829,  
59.6985

# Harmonies

## Analogous

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



51.8896, 54.5772, 5.4797



36.6242, 54.5772, 8.6041



27.5824, 54.5772, 22.7088

# Triad

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



36.6242, 54.5772, 8.6041



36.6028, 54.5772, 190.5613



94.0304, 54.5772, 59.4700

# Complementary

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



36.6242, 54.5772, 8.6041



14.2548, 5.9468, 64.0182

# 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.



87.3847, 54.5772, 122.9740



36.6242, 54.5772, 8.6041



51.8584, 54.5772, 220.5303

# Square

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



36.6242, 54.5772, 8.6041



27.5722, 54.5772, 122.8484



70.8596, 54.5772, 190.6585



87.4068, 54.5772, 22.7496



# Rectangle

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



36.6242, 54.5772, 8.6041



25.0034, 54.5772, 43.9823



70.8596, 54.5772, 190.6585



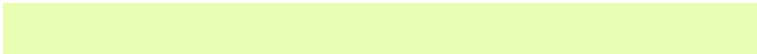
93.2577, 54.5772, 78.1164

# Sweetspot

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



36.6254, 54.5796, 8.6053



77.1630, 91.9299, 56.0605



29.3834, 17.5974, 1.8487



16.0715, 19.4734, 10.8147



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.



36.6254, 54.5796, 8.6053



54.2867, 81.0709, 12.7870



25.1922, 48.6856, 8.0702



13.0944, 14.3248, 13.2355



22.2450, 33.0441, 5.2057



1.4233, 2.0351, 0.3178



# Inverse Universe

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



14.2548, 5.9468, 64.0182



21.0524, 8.7678, 95.1905



28.2109, 13.1415, 64.6713



12.0883, 12.1869, 15.6527



8.7069, 3.6411, 38.6971



0.6080, 0.2623, 2.3379



# Previews

## White Background



This preview shows how the XYZ color 36.6242, 54.5772, 8.6041 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 36.6242, 54.5772, 8.6041 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 36.6242, 54.5772, 8.6041**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.6242, 54.5772, 8.6041.



This preview shows how white text looks on a background with the XYZ color 36.6242, 54.5772,



# 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

36.6242, 54.5772, 8.6041

### Protanopia

48.7285, 54.0903, 7.8722

### Deuteranopia

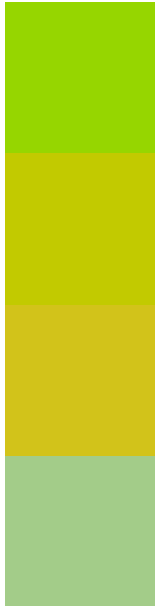
55.1969, 53.8536, 9.5834



## Tritanopia

49.4838, 54.4111, 72.1843

# Trichromacy



## Original Color

36.6242, 54.5772, 8.6041

## Protanomaly

43.3687, 53.7104, 8.0814

## Deuteranomaly

46.2799, 52.8064, 8.7307

## Tritanomaly

41.2125, 52.7784, 31.6820

# Monochromacy



## Original Color

36.6242, 54.5772, 8.6041

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

35.3699, 43.9871, 20.8135

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.6242, 54.5772, 8.6041 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(150, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 214, 0)  
}
```

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(150, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 214, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 36.6242, 54.5772, 8.6041 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(150, 214, 0) }
```



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

```
.border{ border-color:rgb(150, 214, 0) }
```

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

Here you see how a box with a 4 pixel rgb(150, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 214,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.6242, 54.5772, 8.6041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 214, 0) }
```

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

```
.background{ background-color: rgb(150,  
214, 0) }
```

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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