

Converting Colors

XYZ(36.4328, 60.5816, 9.7732)

Have a look what the booklet for
XYZ(36.4328, 60.5816, 9.7732)
contains.

XYZ(36.6090, 60.8787, 9.8213)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(36.6090, 60.8787,
9.8213)**

Conversions

Conversions Part 1

Format	Color
Hex	7CE600
RGB	124, 230, 0
RGB Percent	49%, 90%, 0%
CMY	0.5137, 0.0980, 0.9999
CMYK	0.46, 0.00, 1.00, 0.10
HSL	88°, 100%, 45%
HSV	88°, 100%, 90%
XYZ	36.6090, 60.8787, 9.8213
YIQ	172.0860, 10.6540, -94.0020

Conversions

Conversions Part 2

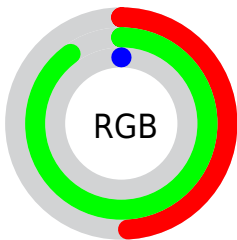
Format	Color
RYB	0, 230, 106
Decimal	8185344
CIELab	82.31, -59.97, 79.81
CIELCh	82, 99.833, 126.922
Yxy	60.8787, 0.3412, 0.5673
Android (android.graphics.Color)	4286375424 (0xFF7CE600)
YUV	172.0860, -84.8384, -42.1714
Hunter-Lab	78.0248, -52.7918, 47.1543

Details

The XYZ color **36.6090, 60.8787, 9.8213** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **20.2322, 8.7806, 75.4948**, and the grayscale version is **39.6722, 41.7382, 45.4529**.

A 20% lighter version of the original color is **57.5290, 82.5389, 22.1320**, and **16.6885, 30.7867, 5.0629** is the 20% darker color. If you saturate the color by 10%, you get **36.6081, 60.8801, 9.8216**, and if you desaturate by 10%, it is **38.3808, 61.7761, 10.7134**.

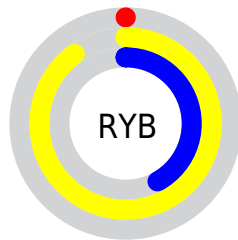
Distribution



Red (49%)

Green (90%)

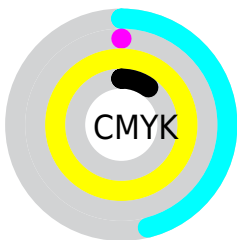
Blue (0%)



Red (0%)

Yellow (90%)

Blue (42%)

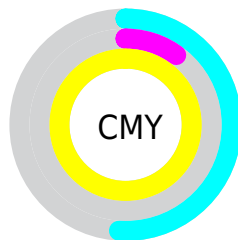


Cyan (46%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (51%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6090, 60.8787, 9.8213 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 36.6090, 60.8787, 9.8213 by changing the saturation by 10% instead.


 36.6090, 60.8787,
9.8213


 36.6090, 60.8787,
9.8213


322.9996,
427.8291, 199.8301


 25.0772, 44.1273,
5.1766


 69.2888, 106.1033,
26.0614

 16.2636, 30.7706,
2.2907


 91.1674, 135.3452,
38.4938

 9.8029, 20.4242,
0.7260


 117.2257,
169.5195, 54.3592

 5.3297, 12.7038,
0.0000

 147.8291,
209.0104, 74.0762

 2.4787, 7.2249,
0.0000

 183.3427,
254.2025, 98.0632

 0.8845, 3.6031,
0.0000

 224.1322,

 0.0000, 1.4541,

305.4800, 126.7389

0.0000

270.5627,
363.2274, 160.5216

■ 0.0000, 0.2561,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6090, 60.8787,
9.8213

■ 36.6090, 60.8787,
9.8213

■ 36.6081, 60.8801,
9.8216

■ 38.3808, 61.7761,
10.7134

■ 40.5049, 62.8320,
12.5812

■ 43.0460, 64.0748,
15.7346

■ 46.0428, 65.5206,
20.3531

■ 49.5282, 67.1830,
26.5873

■ 53.5315, 69.0743,
34.5693

■ 58.0793, 71.2055,
44.4176

■ 63.1959, 73.5868,
56.2401

■ 68.9042, 76.2279,
70.1367

Harmonies

Analogous

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



53.0731, 60.8787, 4.7490



36.6090, 60.8787, 9.8213



27.8057, 60.8787, 30.1607

Triad

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



36.6090, 60.8787, 9.8213



43.2681, 60.8787, 242.9613



108.6952, 60.8787, 53.1487

Complementary

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



36.6090, 60.8787, 9.8213



20.2322, 8.7806, 75.4948

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.



104.2293, 60.8787, 123.6094



36.6090, 60.8787, 9.8213



62.9336, 60.8787, 263.7805

Square

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



36.6090, 60.8787, 9.8213



30.9406, 60.8787, 164.4747



86.0715, 60.8787, 210.9250



97.1012, 60.8787, 17.8857

Rectangle

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



36.6090, 60.8787, 9.8213



25.8803, 60.8787, 60.1953



86.0715, 60.8787, 210.9250



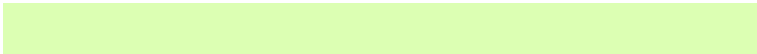
109.0597, 60.8787, 72.7754

Sweetspot

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



36.6104, 60.8813, 9.8226



73.2820, 89.9292, 55.8789



37.5369, 26.6281, 3.1622



15.1466, 18.9965, 10.7715



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.



36.6104, 60.8813, 9.8226



46.1519, 76.8772, 12.4063



28.4434, 56.6711, 9.4404



14.9278, 16.4698, 15.2967



20.8672, 34.5389, 5.5669



1.6489, 2.6074, 0.4164

Inverse Universe

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



20.2322, 8.7806, 75.4948



25.4591, 11.0395, 95.3967



43.3489, 20.6977, 76.5766



14.2110, 14.2110, 18.1383



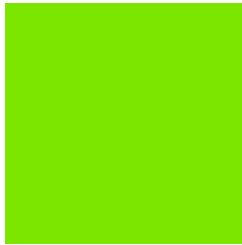
11.5902, 5.0408, 42.7453



0.9626, 0.4272, 3.1637

Previews

White Background



This preview shows how the XYZ color 36.6090, 60.8787, 9.8213 looks on a white background.

Color Contrast Check

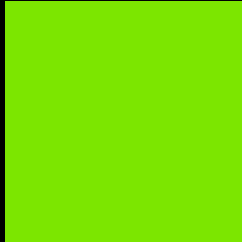
Large Text (above 18pt) WCAG AA × Fail

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 36.6090, 60.8787, 9.8213 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 36.6090, 60.8787, 9.8213

Background



This preview shows how black text looks on a background with the XYZ color 36.6090, 60.8787, 9.8213.



This preview shows how white text looks on a background with the XYZ color 36.6090, 60.8787,

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

36.6090, 60.8787, 9.8213

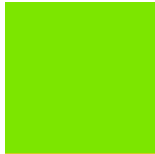
Deuteranopia

61.0485, 59.6953, 12.1756

Tritanopia

51.6072, 60.6350, 84.5850

Trichromacy



Original Color

36.6090, 60.8787, 9.8213



Deuteranomaly

48.1219, 57.5354, 10.2382



Tritanomaly

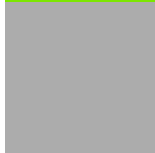
42.0150, 59.0438, 36.7859

Monochromacy



Original Color

36.6090, 60.8787, 9.8213



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.3479, 46.2126, 21.5249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6090, 60.8787, 9.8213 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(124, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(124, 230, 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(124, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 230, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.6090, 60.8787, 9.8213 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(124, 230, 0) }
```

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

```
.border{ border-color:rgb(124, 230, 0) }
```

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

Here you see how a box with a 4 pixel rgb(124, 230, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(124, 230,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 36.6090, 60.8787, 9.8213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 230, 0) }
```

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

```
.background{ background-color: rgb(124,  
230, 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](#).

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