

Converting Colors

XYZ(37.2559, 58.9357, 9.4121)

Have a look what the booklet for
XYZ(37.2559, 58.9357, 9.4121)
contains.

XYZ(37.1369, 58.7146, 9.3757)	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>	31

Color

**XYZ(37.1369, 58.7146,
9.3757)**

Conversions

Conversions Part 1

Format	Color
Hex	8AE000
RGB	138, 224, 0
RGB Percent	54%, 88%, 0%
CMY	0.4588, 0.1215, 0.9999
CMYK	0.38, 0.00, 1.00, 0.12
HSL	83°, 100%, 44%
HSV	83°, 100%, 88%
XYZ	37.1369, 58.7146, 9.3757
YIQ	172.7500, 20.6480, -87.8960

Conversions

Conversions Part 2

Format	Color
RYB	0, 224, 86
Decimal	9101312
CIELab	81.13, -53.15, 79.16
CIELCh	81, 95.345, 123.880
Yxy	58.7146, 0.3529, 0.5580
Android (android.graphics.Color)	4287291392 (0xFF8AE000)
YUV	172.7500, -85.1658, -30.4758
Hunter-Lab	76.6255, -47.5836, 46.3832

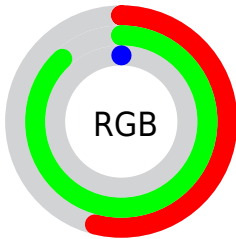
Details

The XYZ color **37.1369, 58.7146, 9.3757** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **17.2963, 7.3627, 71.0339**, and the grayscale version is **40.0090, 42.0926, 45.8388**.

A 20% lighter version of the original color is **60.7690, 84.2139, 22.0689**, and **17.0632, 29.5830, 4.8108** is the 20% darker color. If you saturate the color by 10%, you get **37.1363, 58.7162, 9.3761**, and if you desaturate by 10%, it is **38.7671, 59.5397, 10.2300**.

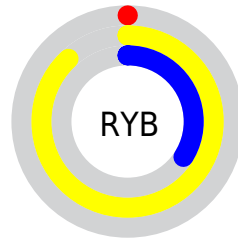
Distribution



Red (54%)

Green (88%)

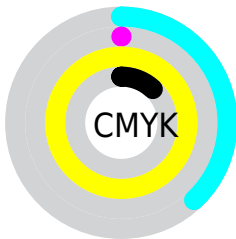
Blue (0%)



Red (0%)

Yellow (88%)

Blue (34%)

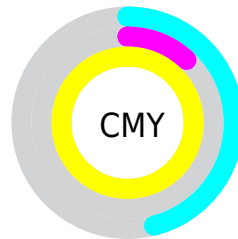


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (12%)



Cyan (46%)


Magenta (12%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1369, 58.7146, 9.3757 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 37.1369, 58.7146, 9.3757 by changing the saturation by 10% instead.


 37.1369, 58.7146,
9.3757


 37.1369, 58.7146,
9.3757


325.2481,
419.8434, 196.4765


 25.4877, 42.3834,
4.8869


 70.0958, 102.9628,
25.2036

 16.5714, 29.4016,
2.1235


 92.1361, 131.6485,
37.3798

 10.0228, 19.3849,
0.6297


 118.3708,
165.2212, 52.9556

 5.4765, 11.9487,
0.0000

 149.1653,
204.0654, 72.3494

 2.5670, 6.7088,
0.0000

 184.8849,
248.5652, 95.9799

 0.9292, 3.2806,
0.0000

 225.8950,

 0.0000, 1.2799,

299.1053, 124.2655

0.0000

272.5610,
356.0699, 157.6249

■ 0.0000, 0.1256,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1369, 58.7146,
9.3757

■ 37.1369, 58.7146,
9.3757

■ 37.1363, 58.7162,
9.3761

■ 38.7671, 59.5397,
10.2300

■ 40.6838, 60.4907,
11.9970

■ 42.9465, 61.5936,
14.9716

■ 45.5892, 62.8624,
19.3214

■ 48.6411, 64.3091,
25.1875

■ 52.1279, 65.9441,
32.6933

■ 56.0727, 67.7769,
41.9499

■ 60.4969, 69.8163,
53.0584

■ 65.4202, 72.0706,
66.1124

Harmonies

Analogous

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



53.2661, 58.7146, 5.1538



37.1369, 58.7146, 9.3757



28.0967, 58.7146, 26.9013

Triad

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



37.1369, 58.7146, 9.3757



40.6481, 58.7146, 220.6225



103.1419, 58.7146, 56.8226

Complementary

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



37.1369, 58.7146, 9.3757



17.2963, 7.3627, 71.0339

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.



97.5152, 58.7146, 125.0563



37.1369, 58.7146, 9.3757



58.4263, 58.7146, 246.4640

Square

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



37.1369, 58.7146, 9.3757



29.7612, 58.7146, 146.1599



79.8722, 58.7146, 204.1759



93.8201, 58.7146, 20.3360

Rectangle

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



37.1369, 58.7146, 9.3757



25.8337, 58.7146, 52.9817



79.8722, 58.7146, 204.1759



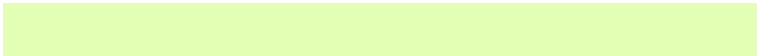
102.9464, 58.7146, 76.2918

Sweetspot

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



37.1382, 58.7172, 9.3770



75.0926, 90.8626, 55.9636



34.0608, 22.4855, 2.5457



15.5768, 19.2183, 10.7916



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.



37.1382, 58.7172, 9.3770



49.6806, 78.6963, 12.5715



27.0872, 53.5356, 8.9066



14.3354, 15.7531, 14.5919



21.7470, 34.2435, 5.4635



1.6064, 2.4246, 0.3833

Inverse Universe

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



17.2963, 7.3627, 71.0339



23.0782, 9.8121, 95.2853



36.7110, 17.3714, 71.9425



13.4472, 13.4985, 17.2844



10.1851, 4.3459, 41.3504



0.8037, 0.3516, 2.8708

Previews

White Background



This preview shows how the XYZ color 37.1369, 58.7146, 9.3757 looks on a white background.

Color Contrast Check

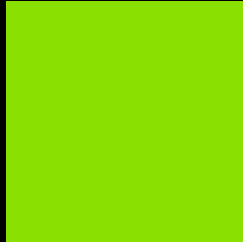
Large Text (above 18pt) WCAG AA × Fail

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 37.1369, 58.7146, 9.3757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

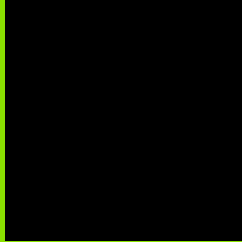
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1369, 58.7146, 9.3757

Background



This preview shows how black text looks on a background with the XYZ color 37.1369, 58.7146, 9.3757.



This preview shows how white text looks on a background with the XYZ color 37.1369, 58.7146,

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

37.1369, 58.7146, 9.3757

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

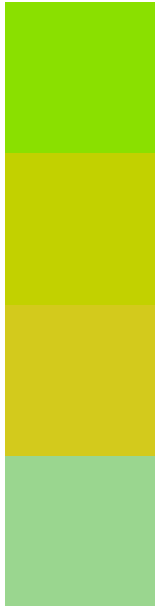
59.0130, 57.7042, 10.4106



Tritanopia

51.2507, 58.3345, 79.7927

Trichromacy



Original Color

37.1369, 58.7146, 9.3757

Protanomaly

45.0486, 57.0703, 8.6414

Deuteranomaly

48.1941, 56.1738, 9.4011

Tritanomaly

42.3309, 56.9463, 34.7473

Monochromacy



Original Color

37.1369, 58.7146, 9.3757

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

36.1613, 46.2986, 21.7825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1369, 58.7146, 9.3757 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(138, 224, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 224, 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(138, 224, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 224, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.1369, 58.7146, 9.3757 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(138, 224, 0) }
```


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

```
.border{ border-color:rgb(138, 224, 0) }
```

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

Here you see how a box with a 4 pixel rgb(138, 224, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 224, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 224, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 224,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1369, 58.7146, 9.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 224, 0) }
```

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

```
.background{ background-color: rgb(138,  
224, 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