

Converting Colors

XYZ(46.3742, 69.5991, 36.6450)

Have a look what the booklet for
XYZ(46.3742, 69.5991, 36.6450)
contains.

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Color

**XYZ(46.3591, 69.5915,
36.5803)**

Conversions

Conversions Part 1

Format	Color
Hex	89F08E
RGB	137, 240, 142
RGB Percent	54%, 94%, 56%
CMY	0.4627, 0.0588, 0.4431
CMYK	0.43, 0.00, 0.41, 0.06
HSL	123°, 77%, 74%
HSV	123°, 43%, 94%
XYZ	46.3591, 69.5915, 36.5803
YIQ	198.0310, -29.9300, -52.3140

Conversions

Conversions Part 2

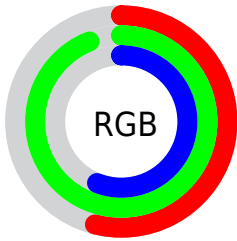
Format	Color
RYB	137, 235, 240
Decimal	9040014
CIELab	86.80, -49.50, 38.20
CIElCh	87, 62.529, 142.345
Yxy	69.5915, 0.3039, 0.4562
Android (android.graphics.Color)	4287230094 (0xFF89F08E)
YUV	198.0310, -27.6233, -53.5242
Hunter-Lab	83.4215, -46.7914, 32.3964

Details

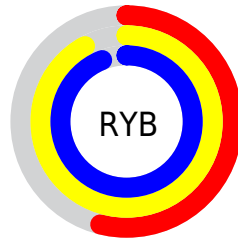
The XYZ color **46.3591, 69.5915, 36.5803** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **59.8784, 42.4161, 83.6308**, and the grayscale version is **53.8725, 56.6781, 61.7224**.

A 20% lighter version of the original color is **68.3437, 87.1533, 66.0435**, and **22.0034, 36.2674, 15.5135** is the 20% darker color. If you saturate the color by 10%, you get **41.3114, 67.1696, 28.2933**, and if you desaturate by 10%, it is **52.6365, 72.6108, 46.7610**.

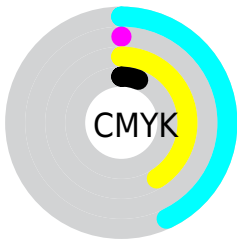
Distribution



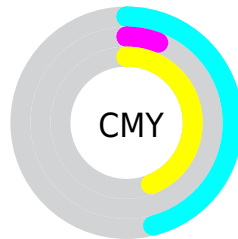
- Red (54%)
- Green (94%)
- Blue (56%)



- Red (54%)
- Yellow (92%)
- Blue (94%)



- Cyan (43%)
- Magenta (0%)
- Yellow (41%)
- Black (6%)





- Cyan (46%)
- Magenta (6%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3591, 69.5915, 36.5803 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 46.3591, 69.5915, 36.5803 by changing the saturation by 10% instead.


 46.3591, 69.5915,
36.5803


 46.3591, 69.5915,
36.5803


362.9423,
459.1144, 346.6037

 32.7351, 51.1936,
24.5895


 83.9807, 118.6260,
71.1059

 22.0819, 36.3627,
15.5552


 108.7091,
150.0314, 94.4778

 14.0340, 24.7144,
9.0590


137.8696,
186.5414, 122.4804

 8.2262, 15.8644,
4.6824

171.8277,
228.5404, 155.5323

 4.2930, 9.4283,
2.0067

210.9486,
276.4128, 194.0520

 1.8692, 5.0216,
0.5594


255.5978,

 0.5588, 2.2599,


330.5430, 238.4581


0.0000


306.1406,
391.3154, 289.1692

 0.0000, 0.7524,
0.0000


 0.0000, 0.0000,
0.0000


 46.3591, 69.5915,
36.5803


 46.3591, 69.5915,
36.5803


 41.3114, 67.1696,
28.2933


 52.6365, 72.6108,
46.7610

 37.4080, 65.2974,
21.7788

 60.2114, 76.2542,
58.9373

 34.5606, 63.9344,
16.9092

 69.1529, 80.5571,
73.2094

 32.6660, 63.0303,
13.5375

 79.5237, 85.5498,
89.6694

■ 31.6001, 62.5251,
11.4909

■ 90.4514, 90.8029,
107.3671

■ 31.2257, 62.3486,
10.7255

Harmonies

Analogous

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



56.0592, 69.5915, 23.1683



46.3591, 69.5915, 36.5803



42.0917, 69.5915, 65.5845

Triad

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



46.3591, 69.5915, 36.5803



62.4841, 69.5915, 186.2895



95.5729, 69.5915, 49.1897

Complementary

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



46.3591, 69.5915, 36.5803



59.8784, 42.4161, 83.6308

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.



97.9610, 69.5915, 86.9663



46.3591, 69.5915, 36.5803



77.3724, 69.5915, 176.7880

Square

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



46.3591, 69.5915, 36.5803



50.4698, 69.5915, 158.6535



90.8842, 69.5915, 136.0856



84.7692, 69.5915, 28.3629

Rectangle

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



46.3591, 69.5915, 36.5803



42.3868, 69.5915, 94.2457



90.8842, 69.5915, 136.0856



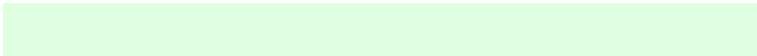
97.4449, 69.5915, 59.8876

Sweetspot

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



46.3609, 69.5944, 36.5819



79.2196, 92.3785, 83.7929



70.4589, 82.0598, 35.7929



16.4411, 19.5249, 17.1148



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.



46.3609, 69.5944, 36.5819



47.7945, 77.2675, 33.1078



50.9855, 71.4443, 60.9351



15.5970, 17.6688, 16.9008



17.1064, 34.1346, 5.9430



1.4339, 2.8440, 0.5516

Inverse Universe

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



59.8784, 42.4161, 83.6308



65.2793, 42.0897, 93.9478



53.6469, 39.9234, 50.8159



16.4192, 16.0174, 19.7636



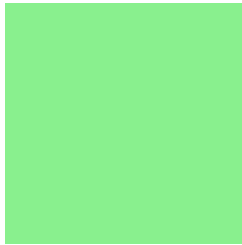
27.3784, 13.2238, 41.5048



2.2878, 1.1042, 3.5062

Previews

White Background



This preview shows how the XYZ color 46.3591, 69.5915, 36.5803 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 46.3591, 69.5915, 36.5803 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 46.3591, 69.5915, 36.5803

Background



This preview shows how black text looks on a background with the XYZ color 46.3591, 69.5915, 36.5803.



This preview shows how white text looks on a background with the XYZ color 46.3591, 69.5915,

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

46.3591, 69.5915, 36.5803

Protanopia

63.3816, 68.6381, 32.0982

Deuteranopia

69.5536, 68.2859, 40.9671



Tritanopia

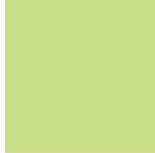
58.4785, 69.4097, 97.5041

Trichromacy



Original Color

46.3591, 69.5915, 36.5803



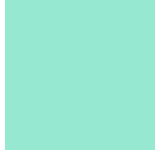
Protanomaly

55.1886, 67.9074, 33.4912



Deuteranomaly

58.0688, 66.8945, 39.1295



Tritanomaly

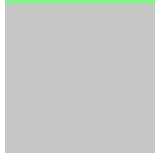
52.8195, 68.7513, 70.1610

Monochromacy



Original Color

46.3591, 69.5915, 36.5803



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.7346, 60.0330, 51.0857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3591, 69.5915, 36.5803 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(137, 240, 142)` looks like.

```
.text, #text, p{  
    color:rgb(137, 240, 142)  
}
```

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(137, 240, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 240, 142) }
```

Border

The CSS property to change the border of an element to XYZ 46.3591, 69.5915, 36.5803 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(137, 240, 142) }
```


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

```
.border{ border-color:rgb(137, 240, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 240, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 240, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 240, 142);  
box-shadow:4px 4px 4px 4px rgb(137, 240,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3591, 69.5915, 36.5803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 240, 142) }
```

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

```
.background{ background-color: rgb(137,  
240, 142) }
```

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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