

Converting Colors

XYZ(43.3251, 67.5319, 36.9791)

Have a look what the booklet for
XYZ(43.3251, 67.5319, 36.9791)
contains.

XYZ(43.3718, 67.5982, 37.1474)	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(43.3718, 67.5982,
37.1474)**

Conversions

Conversions Part 1

Format	Color
Hex	76EF90
RGB	118, 239, 144
RGB Percent	46%, 94%, 56%
CMY	0.5372, 0.0627, 0.4353
CMYK	0.51, 0.00, 0.40, 0.06
HSL	133°, 79%, 70%
HSV	133°, 51%, 94%
XYZ	43.3718, 67.5982, 37.1474
YIQ	191.9910, -41.6210, -55.1970

Conversions

Conversions Part 2

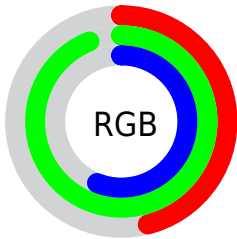
Format	Color
RYB	118, 218, 239
Decimal	7794576
CIELab	85.81, -53.88, 35.78
CIELCh	86, 64.672, 146.414
Yxy	67.5982, 0.2928, 0.4564
Android (android.graphics.Color)	4285984656 (0xFF76EF90)
YUV	191.9910, -23.6596, -64.8901
Hunter-Lab	82.2181, -49.7192, 30.7646

Details

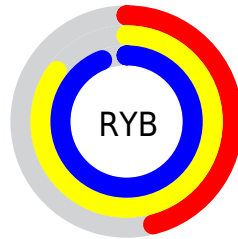
The XYZ color **43.3718, 67.5982, 37.1474** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **54.0874, 36.1131, 67.0729**, and the grayscale version is **50.2504, 52.8673, 57.5725**.

A 20% lighter version of the original color is **64.2003, 84.9906, 67.0540**, and **20.2353, 35.0408, 15.8223** is the 20% darker color. If you saturate the color by 10%, you get **39.2112, 65.6074, 30.0787**, and if you desaturate by 10%, it is **48.5964, 70.1138, 45.5132**.

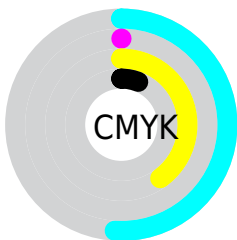
Distribution



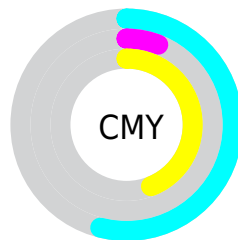
- Red (46%)
- Green (94%)
- Blue (56%)



- Red (46%)
- Yellow (85%)
- Blue (94%)



- Cyan (51%)
- Magenta (0%)
- Yellow (40%)
- Black (6%)




- Cyan (54%)
- Magenta (6%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.3718, 67.5982, 37.1474 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 43.3718, 67.5982, 37.1474 by changing the saturation by 10% instead.


 43.3718, 67.5982,
37.1474

 43.3718, 67.5982,
37.1474


351.0342,
452.0711, 349.1361


 30.3727, 49.5709,
25.0250


 79.5238, 115.7772,
71.9883

 20.2711, 35.0726,
15.8765


 103.4075,
146.6976, 95.5438

 12.7017, 23.7188,
9.2834


 131.6501,
182.6846, 123.7474

 7.2990, 15.1252,
4.8271

164.6170,
224.1225, 157.0177

 3.6978, 8.9073,
2.0892

202.6735,
271.3957, 195.7732

 1.5326, 4.6807,
0.6094

246.1849,

 0.3479, 2.0612,

324.8886, 240.4324

0.0000

295.5167,
384.9856, 291.4139

0.0000, 0.6427,
0.0000

0.0000, 0.0000,
0.0000

43.3718, 67.5982,
37.1474

43.3718, 67.5982,
37.1474

39.2112, 65.6074,
30.0787

48.5964, 70.1138,
45.5132

36.0343, 64.0957,
24.2376


54.9476, 73.1794,
55.2319


33.7575, 63.0232,
19.5548


62.4890, 76.8286,
66.3616

32.2800, 62.3397,
15.9525

71.2781, 81.0899,
78.9556

 31.4733, 61.9778,
13.4775

 81.3685, 85.9899,
93.0644

 90.1578, 90.2156,
107.2693

Harmonies

Analogous

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



52.4234, 67.5982, 22.1389



43.3718, 67.5982, 37.1474



39.8642, 67.5982, 68.6306

Triad

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



43.3718, 67.5982, 37.1474



62.4896, 67.5982, 188.3177



93.1975, 67.5982, 43.0193

Complementary

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



43.3718, 67.5982, 37.1474



54.0874, 36.1131, 67.0729

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.



96.9763, 67.5982, 78.8098



43.3718, 67.5982, 37.1474



77.7337, 67.5982, 173.1538

Square

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



43.3718, 67.5982, 37.1474



49.7819, 67.5982, 164.3078



90.9392, 67.5982, 128.4045



81.2806, 67.5982, 24.5028

Rectangle

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



43.3718, 67.5982, 37.1474



40.6714, 67.5982, 99.0687



90.9392, 67.5982, 128.4045



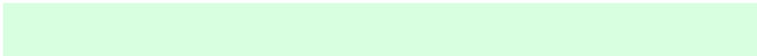
95.5334, 67.5982, 52.9242

Sweetspot

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



43.3735, 67.6010, 37.1489



77.8874, 91.6680, 84.8007



62.1047, 77.4611, 28.8183



16.2134, 19.3988, 17.4941



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.



43.3735, 67.6010, 37.1489



45.1799, 75.8881, 34.4115



49.0835, 69.8850, 67.2171



15.7049, 17.7120, 17.4689



17.4313, 34.2645, 7.6539



1.4857, 2.8647, 0.8242

Inverse Universe

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



54.0874, 36.1131, 67.0729



58.8726, 35.5204, 72.5626



47.9347, 33.6520, 34.6732



16.3003, 15.9698, 19.1378



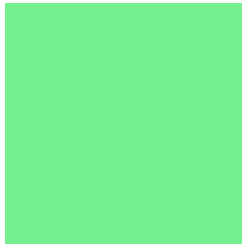
24.7169, 12.1592, 27.4892



2.0920, 1.0258, 2.4751

Previews

White Background



This preview shows how the XYZ color 43.3718, 67.5982, 37.1474 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 43.3718, 67.5982, 37.1474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

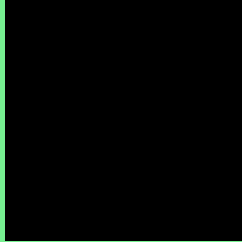
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.3718, 67.5982, 37.1474

Background



This preview shows how black text looks on a background with the XYZ color 43.3718, 67.5982, 37.1474.



This preview shows how white text looks on a background with the XYZ color 43.3718, 67.5982,

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

43.3718, 67.5982, 37.1474

Protanopia

61.3760, 66.4655, 32.1485

Deuteranopia

67.7684, 66.3354, 38.9380



Tritanopia

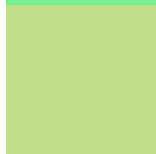
55.1058, 67.2815, 96.4684

Trichromacy



Original Color

43.3718, 67.5982, 37.1474



Protanomaly

52.1946, 65.1539, 33.8698



Deuteranomaly

55.1395, 64.6330, 38.0030



Tritanomaly

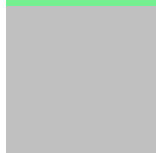
49.6339, 66.6924, 69.9315

Monochromacy



Original Color

43.3718, 67.5982, 37.1474



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

46.0554, 56.6954, 49.0734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.3718, 67.5982, 37.1474 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(118, 239, 144)` looks like.

```
.text, #text, p{  
    color:rgb(118, 239, 144)  
}
```

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(118, 239, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 239, 144) }
```

Border

The CSS property to change the border of an element to XYZ 43.3718, 67.5982, 37.1474 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(118, 239, 144) }
```


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

```
.border{ border-color:rgb(118, 239, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 239, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 239, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 239, 144);  
box-shadow:4px 4px 4px 4px rgb(118, 239,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 43.3718, 67.5982, 37.1474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 239, 144) }
```

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

```
.background{ background-color: rgb(118,  
239, 144) }
```

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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