

Converting Colors

XYZ(42.6015, 70.2965, 11.6188)

Have a look what the booklet for
XYZ(42.6015, 70.2965, 11.6188)
contains.

| | |
|--|----|
| XYZ(42.6989, 70.4776, 11.6402) | 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(42.6989, 70.4776,
11.6402)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 87F50A |
| RGB | 135, 245, 10 |
| RGB Percent | 53%, 96%, 4% |
| CMY | 0.4706, 0.0392, 0.9606 |
| CMYK | 0.45, 0.00, 0.96, 0.04 |
| HSL | 88°, 92%, 50% |
| HSV | 88°, 96%, 96% |
| XYZ | 42.6989, 70.4776, 11.6402 |
| YIQ | 185.3200, 9.8750, -96.4050 |

Conversions

Conversions Part 2

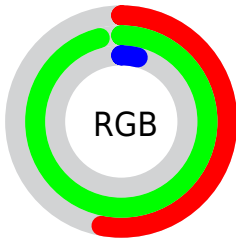
| Format | Color |
|-------------------------------------|--|
| RYB | 10, 245, 120 |
| Decimal | 8910090 |
| CIELab | 87.23, -62.02, 83.06 |
| CIElCh | 87, 103.663, 126.748 |
| Yxy | 70.4776, 0.3421, 0.5646 |
| Android (android.graphics.Color) | 4287100170 (0xFF87F50A) |
| YUV | 185.3200, -86.4328, -44.1306 |
| Hunter-Lab | 83.9509, -56.1260, 50.5448 |

Details

The XYZ color **42.6989, 70.4776, 11.6402** is a dark color, and the websafe version is hex **99FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **24.3424, 10.8066, 87.1930**, and the grayscale version is **46.7593, 49.1945, 53.5728**.

A 20% lighter version of the original color is **60.5453, 84.0639, 23.6246**, and **20.5090, 37.2685, 6.1126** is the 20% darker color. If you saturate the color by 10%, you get **41.9062, 70.0775, 11.3176**, and if you desaturate by 10%, it is **44.8882, 71.5805, 13.0048**.

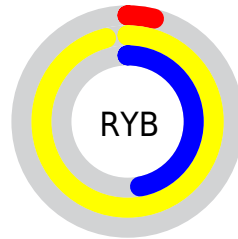
Distribution



Red (53%)

Green (96%)

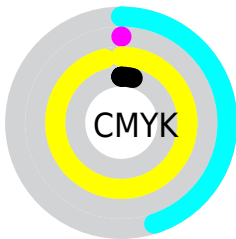
Blue (4%)



Red (4%)

Yellow (96%)

Blue (47%)

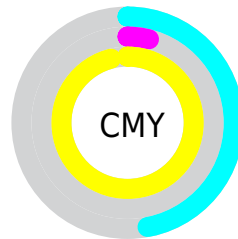


Cyan (45%)

Magenta (0%)

Yellow (96%)

Black (4%)



Cyan (47%)


Magenta (4%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6989, 70.4776, 11.6402 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 42.6989, 70.4776, 11.6402 by changing the saturation by 10% instead.


 42.6989, 70.4776,
11.6402

 42.6989, 70.4776,
11.6402


348.3146,
462.2252, 212.9012


 29.8424, 51.9160,
6.3796


 78.5148, 119.8896,
29.4926

 19.8665, 36.9381,
3.0048


 102.2050,
151.5088, 42.9215


 12.4057, 25.1596,
1.0971


 130.2372,
188.2493, 59.9103

 7.0948, 16.1960,
0.0000

 162.9766,
230.4954, 80.8775

 3.5683, 9.6629,
0.0000

 200.7887,
278.6317, 106.2417

 1.4609, 5.1761,
0.0000

 244.0388,

 0.2990, 2.3509,

333.0425, 136.4213

0.0000

293.0923,
394.1122, 171.8350

■ 0.0000, 0.8005,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.6989, 70.4776,
11.6402

■ 42.6989, 70.4776,
11.6402

■ 41.9062, 70.0775,
11.3176

■ 44.8882, 71.5805,
13.0048

■ 47.5331, 72.8870,
15.7059

■ 50.6865, 74.4211,
19.9859

■ 54.3908, 76.2007,
26.0392

■ 58.6829, 78.2409,
34.0322

■ 63.5959, 80.5556,
44.1122

■ 69.1599, 83.1574,
56.4122

■ 75.4028, 86.0582,
71.0540

■ 82.3508, 89.2687,
88.1509

Harmonies

Analogous

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



61.6351, 70.4776, 5.7509



42.6989, 70.4776, 11.6402



32.5220, 70.4776, 35.0429

Triad

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



42.6989, 70.4776, 11.6402



50.1518, 70.4776, 277.6118



125.0667, 70.4776, 62.0372

Complementary

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



42.6989, 70.4776, 11.6402



24.3424, 10.8066, 87.1930

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.



119.8663, 70.4776, 142.7754



42.6989, 70.4776, 11.6402



72.6398, 70.4776, 301.7563

Square

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



42.6989, 70.4776, 11.6402



36.0398, 70.4776, 188.1599



99.0834, 70.4776, 242.1155



111.9397, 70.4776, 21.2242

Rectangle

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



42.6989, 70.4776, 11.6402



30.2735, 70.4776, 69.3798



99.0834, 70.4776, 242.1155



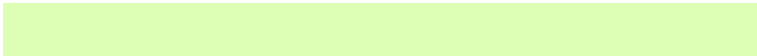
125.4444, 70.4776, 84.5991

Sweetspot

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



42.7005, 70.4806, 11.6417



73.7357, 90.1331, 57.2541



44.3918, 32.7933, 4.2782



15.2270, 19.0324, 11.0294



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.



42.7005, 70.4806, 11.6417



45.8513, 76.7223, 12.3923



32.9558, 65.4571, 11.1857



17.1238, 18.9058, 17.5442



22.7362, 37.8337, 6.1043



2.1169, 3.3864, 0.5421

Inverse Universe

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



24.3424, 10.8066, 87.1930



25.7103, 11.1690, 95.4085



51.5738, 24.8450, 88.4674



16.3188, 16.3070, 20.8300



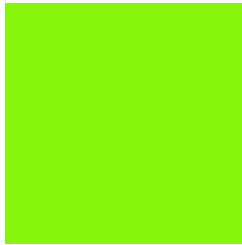
12.8233, 5.5850, 46.9402



1.2446, 0.5514, 4.1311

Previews

White Background



This preview shows how the XYZ color 42.6989, 70.4776, 11.6402 looks on a white background.

Color Contrast Check

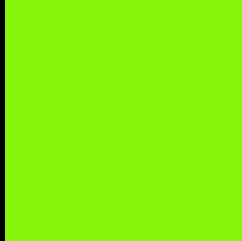
Large Text (above 18pt) WCAG AA × Fail

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 42.6989, 70.4776, 11.6402 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 42.6989, 70.4776, 11.6402

Background



This preview shows how black text looks on a background with the XYZ color 42.6989, 70.4776, 11.6402.



This preview shows how white text looks on a background with the XYZ color 42.6989, 70.4776,

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

42.6989, 70.4776, 11.6402

Protanopia

62.7276, 69.5553, 10.1194

Deuteranopia

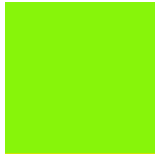
69.0202, 69.2466, 34.5391



Tritanopia

59.8950, 70.1400, 97.5703

Trichromacy



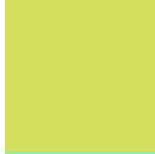
Original Color

42.6989, 70.4776, 11.6402



Protanomaly

52.9422, 68.4747, 10.5415



Deuteranomaly

55.2274, 67.4145, 20.4574



Tritanomaly

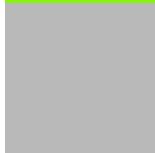
49.0944, 68.2537, 43.8444

Monochromacy



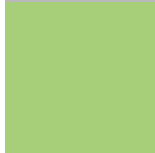
Original Color

42.6989, 70.4776, 11.6402



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

41.7004, 54.2216, 26.3571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6989, 70.4776, 11.6402 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(135, 245, 10)` looks like.

```
.text, #text, p{  
    color:rgb(135, 245, 10)  
}
```

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(135, 245, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 245, 10) }
```

Border

The CSS property to change the border of an element to XYZ 42.6989, 70.4776, 11.6402 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(135, 245, 10) }
```


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

```
.border{ border-color:rgb(135, 245, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 245, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 245, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 245, 10);  
box-shadow:4px 4px 4px 4px rgb(135, 245,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6989, 70.4776, 11.6402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 245, 10) }
```

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

```
.background{ background-color: rgb(135,  
245, 10) }
```

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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