

Converting Colors

XYZ(42.5337, 71.0782, 26.1667)

Have a look what the booklet for
XYZ(42.5337, 71.0782, 26.1667)
contains.

XYZ(42.5056, 70.9623, 26.2087)	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(42.5056, 70.9623,
26.2087)**

Conversions

Conversions Part 1

Format	Color
Hex	6EF76E
RGB	110, 247, 110
RGB Percent	43%, 97%, 43%
CMY	0.5686, 0.0314, 0.5686
CMYK	0.55, 0.00, 0.55, 0.03
HSL	120°, 90%, 70%
HSV	120°, 55%, 97%
XYZ	42.5056, 70.9623, 26.2087
YIQ	190.4190, -37.6750, -71.6510

Conversions

Conversions Part 2

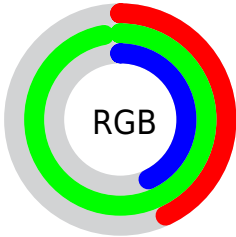
Format	Color
RYB	110, 247, 247
Decimal	7272302
CIELab	87.47, -63.62, 53.98
CIELCh	87, 83.432, 139.685
Yxy	70.9623, 0.3043, 0.5080
Android (android.graphics.Color)	4285462382 (0xFF6EF76E)
YUV	190.4190, -39.6466, -70.5275
Hunter-Lab	84.2391, -57.3505, 40.5209

Details

The XYZ color **42.5056, 70.9623, 26.2087** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **60.7240, 37.6424, 92.0617**, and the grayscale version is **49.4240, 51.9979, 56.6258**.

A 20% lighter version of the original color is **59.3461, 82.8945, 48.4697**, and **19.6390, 37.0558, 9.8588** is the 20% darker color. If you saturate the color by 10%, you get **38.6876, 69.1305, 19.9623**, and if you desaturate by 10%, it is **47.5581, 73.3914, 34.4719**.

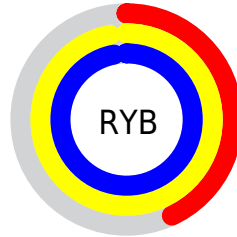
Distribution



Red (43%)

Green (97%)

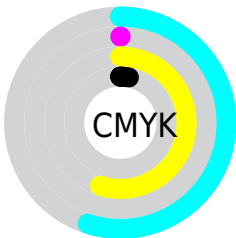
Blue (43%)



Red (43%)

Yellow (97%)

Blue (97%)

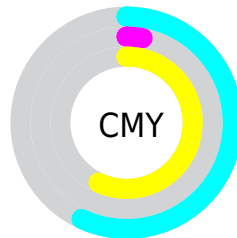


Cyan (55%)

Magenta (0%)

Yellow (55%)

Black (3%)



Cyan (57%)


Magenta (3%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5056, 70.9623, 26.2087 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 42.5056, 70.9623, 26.2087 by changing the saturation by 10% instead.


 42.5056, 70.9623,
26.2087


 42.5056, 70.9623,
26.2087


347.5307,
463.9216, 297.4431

 29.6902, 52.3114,
16.7527


 78.2246, 120.5800,
54.5997

 19.7505, 37.2534,
9.8982

 101.8590,
152.3157, 74.3717

 12.3210, 25.4037,
5.2268


 129.8304,
189.1818, 98.4194

 7.0364, 16.3781,
2.3199

162.5042,
231.5626, 127.1614

 3.5314, 9.7921,
0.7423

200.2458,
279.8426, 161.0163

 1.4406, 5.2613,
0.0000

243.4205,

 0.2849, 2.4014,

334.4062, 200.4024

0.0000

292.3937,
395.6377, 245.7385

■ 0.0000, 0.8266,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.5056, 70.9623,
26.2087

■ 42.5056, 70.9623,
26.2087

■ 38.6876, 69.1305,
19.9623

■ 47.5581, 73.3914,
34.4719

■ 35.9938, 67.8365,
15.5559


■ 53.9331, 76.4536,
44.8993


■ 34.3032, 67.0244,
12.7905


■ 61.7163, 80.1923,
57.6301

■ 33.4644, 66.6215,
11.4183

■ 70.9850, 84.6446,
72.7907

 33.2622, 66.5244,
11.0876

 81.8108, 89.8447,
90.4980

 92.5522, 95.0044,
108.0674

Harmonies

Analogous

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



55.4832, 70.9623, 13.5429



42.5056, 70.9623, 26.2087



36.6396, 70.9623, 59.4341

Triad

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



42.5056, 70.9623, 26.2087



60.8939, 70.9623, 240.5287



109.7358, 70.9623, 46.1991

Complementary

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



42.5056, 70.9623, 26.2087



60.7240, 37.6424, 92.0617

Split Complementary

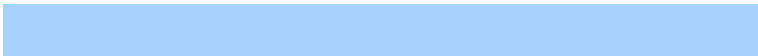
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.9646, 70.9623, 98.3490



42.5056, 70.9623, 26.2087



81.0189, 70.9623, 230.8886

Square

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



42.5056, 70.9623, 26.2087



45.8012, 70.9623, 192.9116



100.6240, 70.9623, 170.7712



95.0225, 70.9623, 20.5778

Rectangle

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



42.5056, 70.9623, 26.2087



36.5914, 70.9623, 96.9763



100.6240, 70.9623, 170.7712



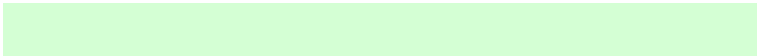
112.0660, 70.9623, 60.4253

Sweetspot

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



42.5073, 70.9653, 26.2103



74.6503, 90.2010, 75.5329



74.4361, 87.4252, 27.7035



15.5319, 19.0923, 15.4371



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.



42.5073, 70.9653, 26.2103



41.0359, 74.0543, 20.5504



47.7791, 73.0740, 53.9710



16.2823, 18.4721, 17.5050



17.5906, 35.1811, 5.8637



1.5460, 3.0921, 0.5154

Inverse Universe

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



60.7240, 37.6424, 92.0617



62.4712, 34.8437, 98.0368



52.0218, 34.1615, 46.2365



17.2137, 16.7683, 20.8718



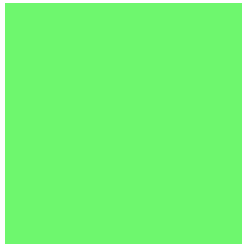
29.1645, 14.0092, 47.7022



2.5633, 1.2313, 4.1926

Previews

White Background



This preview shows how the XYZ color 42.5056, 70.9623, 26.2087 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 42.5056, 70.9623, 26.2087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

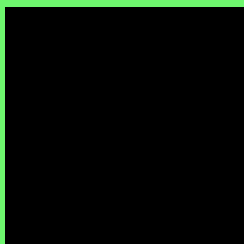
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5056, 70.9623, 26.2087

Background



This preview shows how black text looks on a background with the XYZ color 42.5056, 70.9623, 26.2087.

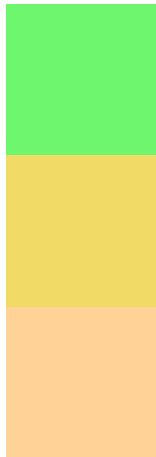


This preview shows how white text looks on a background with the XYZ color 42.5056, 70.9623,

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

42.5056, 70.9623, 26.2087

Protanopia

63.6960, 69.7832, 22.4243

Deuteranopia

69.8725, 69.5876, 39.0272



Tritanopia

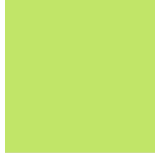
57.4245, 70.4290, 101.8344

Trichromacy



Original Color

42.5056, 70.9623, 26.2087



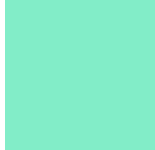
Protanomaly

52.5103, 68.3756, 23.5269



Deuteranomaly

55.1887, 67.1095, 33.3372



Tritanomaly

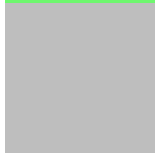
49.9154, 69.4843, 65.4246

Monochromacy



Original Color

42.5056, 70.9623, 26.2087



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.4252, 56.7388, 42.3284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5056, 70.9623, 26.2087 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(110, 247, 110)` looks like.

```
.text, #text, p{  
    color:rgb(110, 247, 110)  
}
```

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(110, 247, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 247, 110) }
```

Border

The CSS property to change the border of an element to XYZ 42.5056, 70.9623, 26.2087 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(110, 247, 110) }
```


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

```
.border{ border-color:rgb(110, 247, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 247, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 247, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 247, 110); box-shadow:4px 4px 4px 4px rgb(110, 247, 110) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5056, 70.9623, 26.2087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 247, 110) }
```

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

```
.background{ background-color: rgb(110,  
247, 110) }
```

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