

Converting Colors

XYZ(29.4427, 41.9780, 26.7307)

Have a look what the booklet for
XYZ(29.4427, 41.9780, 26.7307)
contains.

XYZ(29.4467, 42.0722, 26.6474)	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(29.4467, 42.0722,
26.6474)**

Conversions

Conversions Part 1

Format	Color
Hex	74BE7F
RGB	116, 190, 127
RGB Percent	45%, 75%, 50%
CMY	0.5451, 0.2549, 0.5020
CMYK	0.39, 0.00, 0.33, 0.25
HSL	129°, 36%, 60%
HSV	129°, 39%, 75%
XYZ	29.4467, 42.0722, 26.6474
YIQ	160.6920, -23.8810, -35.2810

Conversions

Conversions Part 2

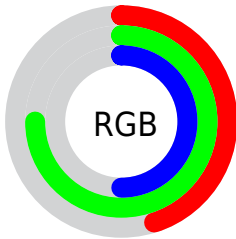
Format	Color
RYB	116, 180, 190
Decimal	7650943
CIELab	70.92, -36.33, 24.76
CIElCh	71, 43.967, 145.723
Yxy	42.0722, 0.3000, 0.4286
Android (android.graphics.Color)	4285841023 (0xFF74BE7F)
YUV	160.6920, -16.6102, -39.1949
Hunter-Lab	64.8631, -32.4745, 21.0463

Details

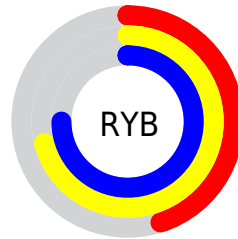
The XYZ color **29.4467, 42.0722, 26.6474** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **35.6187, 26.6935, 45.9246**, and the grayscale version is **33.8168, 35.5779, 38.7443**.

A 20% lighter version of the original color is **58.2936, 78.4747, 55.2548**, and **12.1936, 19.2009, 10.0847** is the 20% darker color. If you saturate the color by 10%, you get **26.2038, 40.5138, 21.4276**, and if you desaturate by 10%, it is **33.3776, 43.9681, 32.7848**.

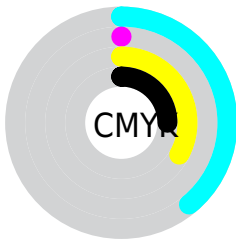
Distribution



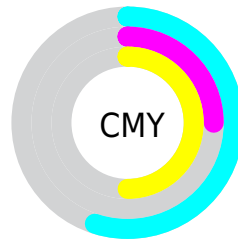
- Red (45%)
- Green (75%)
- Blue (50%)



- Red (45%)
- Yellow (71%)
- Blue (75%)



- Cyan (39%)
- Magenta (0%)
- Yellow (33%)
- Black (25%)



- Cyan (55%)
- Magenta (25%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4467, 42.0722, 26.6474 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 29.4467, 42.0722, 26.6474 by changing the saturation by 10% instead.

■ 29.4467, 42.0722,
26.6474

■ 29.4467, 42.0722,
26.6474

291.2731,
354.7821, 299.6518

■ 19.5650, 29.1578,
17.0785

■ 58.1787, 78.3089,
55.3144

■ 12.1856, 19.2002,
10.1279

■ 77.7597, 102.4000,
75.2495

■ 6.9433, 11.8151,
5.3771

■ 101.3045,
130.9855, 99.4772

■ 3.4727, 6.6179,
2.4076

129.1785,
164.4497, 128.4159

■ 1.4084, 3.2243,
0.7906

161.7470,
203.1771, 162.4841

■ 0.2622, 1.2499,
0.0000

199.3754,

■ 0.0000, 0.1019,

247.5520, 202.1005

0.0000

242.4290,
297.9589, 247.6836

■ 0.0000, 0.0000,
0.0000

■ 29.4467, 42.0722,
26.6474

■ 29.4467, 42.0722,
26.6474

■ 26.2038, 40.5138,
21.4276

■ 33.3776, 43.9681,
32.7848

■ 23.6059, 39.2681,
17.0786

■ 38.0298, 46.2142,
39.8779

■ 21.6101, 38.3152,
13.5538


■ 43.4384, 48.8290,
47.9663


■ 20.1670, 37.6307,
10.8010


■ 49.6351, 51.8281,
57.0861


■ 19.2191, 37.1861,
8.7621


■ 56.6498, 55.2261,
67.2721

 18.6729, 36.9349,
7.3697

 64.5109, 59.0370,
78.5572

 18.6268, 36.9135,
7.2573

 73.2455, 63.2741,
90.9728

 77.7043, 65.3085,
103.1181

Harmonies

Analogous

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



34.1839, 42.0722, 18.2407



29.4467, 42.0722, 26.6474



27.5281, 42.0722, 42.8681

Triad

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



29.4467, 42.0722, 26.6474



38.9477, 42.0722, 98.9269



54.0597, 42.0722, 30.4436

Complementary

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



29.4467, 42.0722, 26.6474



35.6187, 26.6935, 45.9246

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.



55.7345, 42.0722, 48.8824



29.4467, 42.0722, 26.6474



46.4152, 42.0722, 92.5796

Square

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



29.4467, 42.0722, 26.6474



32.5721, 42.0722, 87.8562



52.7862, 42.0722, 72.4755



48.4527, 42.0722, 19.9169

Rectangle

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



29.4467, 42.0722, 26.6474



27.9100, 42.0722, 57.6274



52.7862, 42.0722, 72.4755



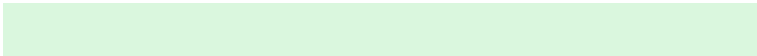
55.1283, 42.0722, 35.7289

Sweetspot

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



29.4478, 42.0740, 26.6483



75.3777, 86.8683, 81.9581



40.4210, 47.8092, 23.6211



16.2634, 18.9358, 17.5660



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.4478, 42.0740, 26.6483



48.1179, 73.7188, 39.8667



32.2161, 43.1813, 41.2259



9.4650, 10.6721, 10.4324



12.4037, 24.5517, 4.9224



0.5045, 0.9692, 0.2911

Inverse Universe

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



35.6187, 26.6935, 45.9246



60.9030, 41.8132, 79.7743



32.4499, 25.4260, 29.2379



9.8673, 9.6712, 11.6904



18.4652, 9.0172, 23.5410



0.7401, 0.3599, 1.0108

Previews

White Background



This preview shows how the XYZ color 29.4467, 42.0722, 26.6474 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 29.4467, 42.0722, 26.6474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

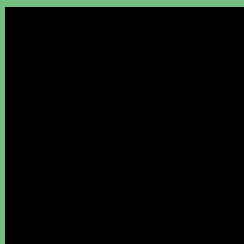
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4467, 42.0722, 26.6474

Background



This preview shows how black text looks on a background with the XYZ color 29.4467, 42.0722, 26.6474.

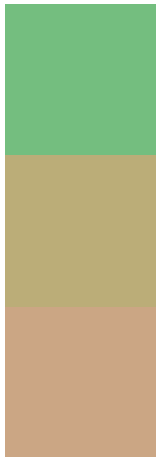


This preview shows how white text looks on a background with the XYZ color 29.4467, 42.0722,

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

29.4467, 42.0722, 26.6474

Protanopia

38.8273, 41.8080, 23.7926

Deuteranopia

42.4297, 41.6349, 27.6298



Tritanopia

35.6936, 41.7791, 58.4075

Trichromacy



Original Color

29.4467, 42.0722, 26.6474



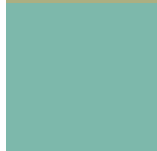
Protanomaly

34.3932, 41.2473, 24.8877



Deuteranomaly

36.1538, 40.9296, 27.1138



Tritanomaly

32.9486, 41.5812, 44.8175

Monochromacy



Original Color

29.4467, 42.0722, 26.6474



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.8544, 37.6947, 34.0307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4467, 42.0722, 26.6474 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(116, 190, 127)` looks like.

```
.text, #text, p{  
    color:rgb(116, 190, 127)  
}
```

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(116, 190, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 190, 127) }
```

Border

The CSS property to change the border of an element to XYZ 29.4467, 42.0722, 26.6474 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(116, 190, 127) }
```


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

```
.border{ border-color:rgb(116, 190, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 190, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 190, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 190, 127);  
box-shadow:4px 4px 4px 4px rgb(116, 190,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4467, 42.0722, 26.6474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 190, 127) }
```

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

```
.background{ background-color: rgb(116,  
190, 127) }
```

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