

Converting Colors

XYZ(42.7795, 74.8717, 24.3118)

Have a look what the booklet for
XYZ(42.7795, 74.8717, 24.3118)
contains.

XYZ(42.7796, 74.8730, 24.2538)	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(42.7796, 74.8730,
24.2538)**

Conversions

Conversions Part 1

Format	Color
Hex	5FFF64
RGB	95, 255, 100
RGB Percent	37%, 100%, 39%
CMY	0.6274, 0.0000, 0.6078
CMYK	0.63, 0.00, 0.61, 0.00
HSL	122°, 100%, 69%
HSV	122°, 63%, 100%
XYZ	42.7796, 74.8730, 24.2538
YIQ	189.4900, -45.6050, -82.1250

Conversions

Conversions Part 2

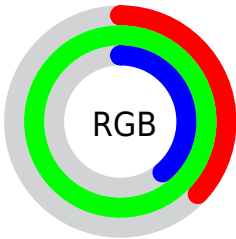
Format	Color
RYB	95, 250, 255
Decimal	6291300
CIELab	89.33, -70.84, 60.37
CIElCh	89, 93.078, 139.563
Yxy	74.8730, 0.3015, 0.5276
Android (android.graphics.Color)	4284481380 (0xFF5FFF64)
YUV	189.4900, -44.1186, -82.8677
Hunter-Lab	86.5292, -63.1766, 43.9517

Details

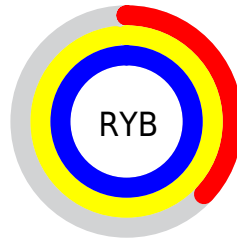
The XYZ color **42.7796, 74.8730, 24.2538** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **62.5871, 36.3466, 94.1566**, and the grayscale version is **48.9146, 51.4620, 56.0421**.

A 20% lighter version of the original color is **56.1736, 81.3601, 43.7538**, and **20.4023, 40.1069, 8.9516** is the 20% darker color. If you saturate the color by 10%, you get **39.5303, 73.3158, 18.7788**, and if you desaturate by 10%, it is **47.2584, 77.0222, 31.6801**.

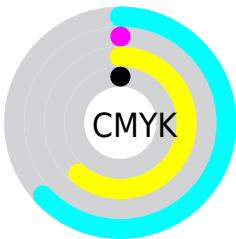
Distribution



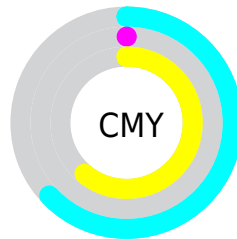
- Red (37%)
- Green (100%)
- Blue (39%)



- Red (37%)
- Yellow (98%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7796, 74.8730, 24.2538 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 42.7796, 74.8730, 24.2538 by changing the saturation by 10% instead.


 42.7796, 74.8730,
24.2538

 42.7796, 74.8730,
24.2538


348.6415,
477.4809, 287.4289

 29.9060, 55.5089,
15.3081


 78.6360, 126.1326,
51.3931


 19.9150, 39.8093,
8.8869


 102.3494,
158.7968, 70.4237

 12.4411, 27.3899,
4.5716


 130.4069,
196.6631, 93.6530

 7.1192, 17.8662,
1.9439

 163.1737,
240.1160, 121.4995

 3.5838, 10.8540,
0.5205

201.0152,
289.5399, 154.3818

 1.4695, 5.9687,
0.0000

244.2967,

 0.3049, 2.8261,

345.3190, 192.7185

0.0000

293.3837,
407.8379, 236.9280

0.0000, 1.0416,
0.0000

0.0000, 0.0000,
0.0000

42.7796, 74.8730,
24.2538

42.7796, 74.8730,
24.2538

39.5303, 73.3158,
18.7788

47.2584, 77.0222,
31.6801

37.3875, 72.2910,
15.0689

53.0719, 79.8141,
41.2141

36.2042, 71.7276,
12.9079

60.3149, 83.2947,
53.0004

35.8037, 71.5375,
12.1501

69.0736, 87.5054,
67.1699

■ 79.4272, 92.4845,
83.8435

■ 91.4493, 98.2677,
103.1337

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



57.4923, 74.8730, 11.2699



42.7796, 74.8730, 24.2538



36.2159, 74.8730, 60.8593

Triad

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



42.7796, 74.8730, 24.2538



63.5265, 74.8730, 277.3725



120.8857, 74.8730, 46.3433

Complementary

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



42.7796, 74.8730, 24.2538



62.5871, 36.3466, 94.1566

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.



123.4698, 74.8730, 106.4054



42.7796, 74.8730, 24.2538



86.8488, 74.8730, 265.8592

Square

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



42.7796, 74.8730, 24.2538



46.3836, 74.8730, 218.9839



109.9453, 74.8730, 192.8486



103.4952, 74.8730, 18.4964

Rectangle

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



42.7796, 74.8730, 24.2538



36.1420, 74.8730, 104.1712



109.9453, 74.8730, 192.8486



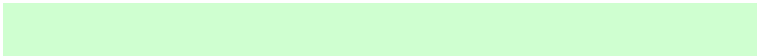
123.6374, 74.8730, 62.4228

Sweetspot

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



42.7799, 74.8732, 24.2550



72.7597, 89.2779, 73.1140



78.0913, 93.1040, 24.6818



14.9666, 18.8173, 14.6707



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.



42.7799, 74.8732, 24.2550



38.9551, 73.0404, 17.7949



48.4819, 77.1540, 54.2815



17.7946, 20.1774, 19.2213



18.7181, 37.3838, 6.4010



1.8303, 3.6430, 0.6640

Inverse Universe

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



62.5871, 36.3466, 94.1566



60.1612, 31.7394, 92.5939



52.8108, 32.4361, 42.6755



18.7667, 18.2900, 22.6545



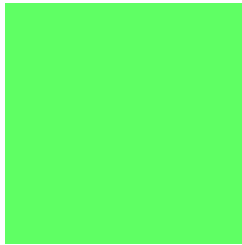
30.3342, 14.6230, 47.2719



2.9610, 1.4268, 4.6418

Previews

White Background



This preview shows how the XYZ color 42.7796, 74.8730, 24.2538 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 42.7796, 74.8730, 24.2538 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 42.7796, 74.8730, 24.2538

Background



This preview shows how black text looks on a background with the XYZ color 42.7796, 74.8730, 24.2538.

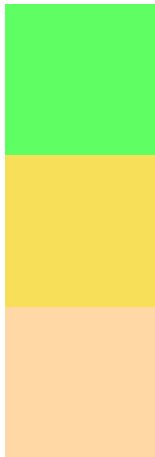


This preview shows how white text looks on a background with the XYZ color 42.7796, 74.8730,

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

42.7796, 74.8730, 24.2538

Protanopia

66.9445, 73.4700, 20.3256

Deuteranopia

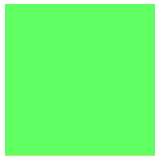
72.6788, 73.1249, 46.3603



Tritanopia

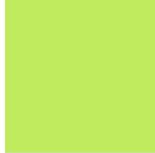
60.3668, 73.9914, 105.7078

Trichromacy



Original Color

42.7796, 74.8730, 24.2538



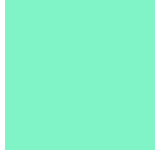
Protanomaly

53.4669, 71.4313, 21.5593



Deuteranomaly

56.2053, 70.4169, 36.2207



Tritanomaly

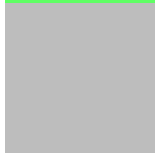
51.5616, 73.4141, 65.4856

Monochromacy



Original Color

42.7796, 74.8730, 24.2538



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

43.3976, 56.9914, 40.6114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7796, 74.8730, 24.2538 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(95, 255, 100)` looks like.

```
.text, #text, p{  
    color:rgb(95, 255, 100)  
}
```

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(95, 255, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 100) }
```

Border

The CSS property to change the border of an element to XYZ 42.7796, 74.8730, 24.2538 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(95, 255, 100) }
```


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

```
.border{ border-color:rgb(95, 255, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 255, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 255, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 255, 100);  
box-shadow:4px 4px 4px 4px rgb(95, 255,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7796, 74.8730, 24.2538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 255, 100) }
```

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

```
.background{ background-color: rgb(95, 255,  
100) }
```

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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