

Converting Colors

XYZ(50.0999, 74.4401, 40.3750)

Have a look what the booklet for
XYZ(50.0999, 74.4401, 40.3750)
contains.

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Color

**XYZ(50.2674, 74.6528,
40.6142)**

Conversions

Conversions Part 1

Format	Color
Hex	90F796
RGB	144, 247, 150
RGB Percent	56%, 97%, 59%
CMY	0.4353, 0.0314, 0.4118
CMYK	0.42, 0.00, 0.39, 0.03
HSL	123°, 87%, 77%
HSV	123°, 42%, 97%
XYZ	50.2674, 74.6528, 40.6142
YIQ	205.1450, -30.2510, -52.0030

Conversions

Conversions Part 2

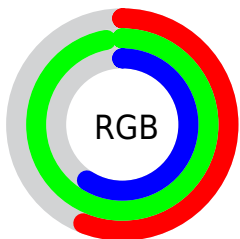
Format	Color
RYB	144, 241, 247
Decimal	9500566
CIELab	89.23, -49.23, 37.46
CIELCh	89, 61.865, 142.732
Yxy	74.6528, 0.3037, 0.4510
Android (android.graphics.Color)	4287690646 (0xFF90F796)
YUV	205.1450, -27.1865, -53.6242
Hunter-Lab	86.4019, -47.3544, 32.6113

Details

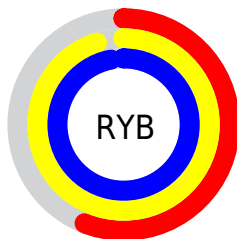
The XYZ color **50.2674, 74.6528, 40.6142** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **64.2106, 46.0730, 88.7305**, and the grayscale version is **58.3036, 61.3400, 66.7992**.

A 20% lighter version of the original color is **71.1366, 88.4843, 71.0875**, and **24.5485, 39.7350, 17.9311** is the 20% darker color. If you saturate the color by 10%, you get **44.7253, 71.9933, 31.5292**, and if you desaturate by 10%, it is **57.1289, 77.9539, 51.7048**.

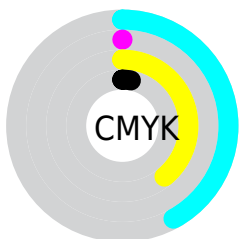
Distribution



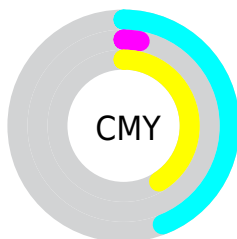
- Red (56%)
- Green (97%)
- Blue (59%)



- Red (56%)
- Yellow (95%)
- Blue (97%)



- Cyan (42%)
- Magenta (0%)
- Yellow (39%)
- Black (3%)





- Cyan (44%)
- Magenta (3%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2674, 74.6528, 40.6142 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 50.2674, 74.6528, 40.6142 by changing the saturation by 10% instead.


 50.2674, 74.6528,
40.6142


 50.2674, 74.6528,
40.6142


378.1454,
476.7234, 364.3344

 35.8446, 55.3285,
27.7003


 89.7604, 125.8208,
77.3452

 24.4837, 39.6648,
17.8628


 115.5613,
158.4332, 101.9994

 15.8195, 27.2773,
10.6831


145.8856,
196.2438, 131.4041

 9.4866, 17.7816,
5.7427

181.0986,
239.6370, 165.9779

 5.1195, 10.7933,
2.6230

221.5658,
288.9972, 206.1392

 2.3530, 5.9280,
0.9043


267.6524,


 0.8216, 2.8014,


344.7087, 252.3067


0.0000


319.7238,
407.1559, 304.8989


 0.0000, 1.0289,
0.0000

 0.0000, 0.0000,
0.0000


 50.2674, 74.6528,
40.6142


 50.2674, 74.6528,
40.6142


 44.7253, 71.9933,
31.5292


 57.1289, 77.9539,
51.7048


 40.4125, 69.9249,
24.3255

 65.3810, 81.9243,
64.9057

 37.2368, 68.4052,
18.8728

 75.0964, 86.6017,
80.3199

 35.0907, 67.3818,
15.0218

 86.3414, 92.0181,
98.0427

■ 33.8453, 66.7922,
12.5988

■ 92.5522, 95.0044,
108.0674

■ 33.3442, 66.5572,
11.5189

Harmonies

Analogous

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



60.3172, 74.6528, 26.1840



50.2674, 74.6528, 40.6142



45.8760, 74.6528, 71.2118

Triad

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



50.2674, 74.6528, 40.6142



67.3451, 74.6528, 194.8095



101.2433, 74.6528, 53.2015

Complementary

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



50.2674, 74.6528, 40.6142



64.2106, 46.0730, 88.7305

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.



103.8276, 74.6528, 92.2643



50.2674, 74.6528, 40.6142



82.7759, 74.6528, 184.6223

Square

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



50.2674, 74.6528, 40.6142



54.7862, 74.6528, 167.0352



96.6588, 74.6528, 142.7473



90.0284, 74.6528, 31.4450

Rectangle

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



50.2674, 74.6528, 40.6142



46.2363, 74.6528, 101.0207



96.6588, 74.6528, 142.7473



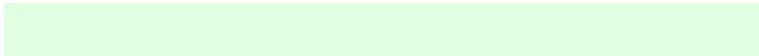
103.2094, 74.6528, 64.3019

Sweetspot

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



50.2693, 74.6559, 40.6159



79.2632, 92.3959, 84.0223



74.8644, 87.3896, 39.3082



16.4517, 19.5291, 17.1704



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.



50.2693, 74.6559, 40.6159



48.9552, 77.8178, 35.3354



55.2659, 76.6546, 66.9277



16.3213, 18.4877, 17.7106



17.6500, 35.2049, 6.1769



1.5648, 3.0996, 0.6139

Inverse Universe

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



64.2106, 46.0730, 88.7305



65.7710, 43.3190, 93.3536



57.6658, 43.4551, 54.2660



17.1695, 16.7506, 20.6391



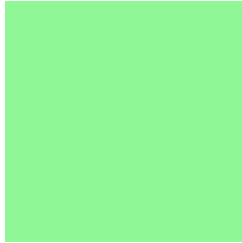
28.0540, 13.5650, 41.8540



2.4781, 1.1972, 3.7442

Previews

White Background



This preview shows how the XYZ color 50.2674, 74.6528, 40.6142 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 50.2674, 74.6528, 40.6142 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

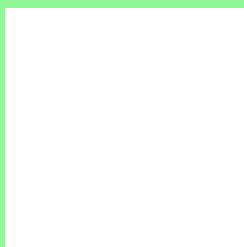
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.2674, 74.6528, 40.6142

Background



This preview shows how black text looks on a background with the XYZ color 50.2674, 74.6528, 40.6142.



This preview shows how white text looks on a background with the XYZ color 50.2674, 74.6528,

40.6142.

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

50.2674, 74.6528, 40.6142

Protanopia

68.0834, 73.7235, 35.4526

Deuteranopia

73.7317, 73.5461, 51.9047



Tritanopia

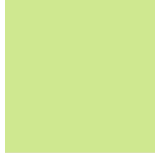
62.9550, 74.5078, 103.9919

Trichromacy



Original Color

50.2674, 74.6528, 40.6142



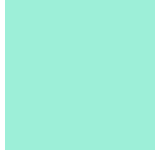
Protanomaly

59.6228, 72.9922, 37.3320



Deuteranomaly

62.4685, 72.1753, 47.1980



Tritanomaly

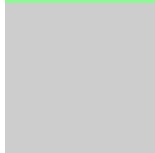
57.1658, 73.8590, 76.2090

Monochromacy



Original Color

50.2674, 74.6528, 40.6142



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.8786, 64.7565, 55.5585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2674, 74.6528, 40.6142 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(144, 247, 150)` looks like.

```
.text, #text, p{  
    color:rgb(144, 247, 150)  
}
```

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(144, 247, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 247, 150) }
```

Border

The CSS property to change the border of an element to XYZ 50.2674, 74.6528, 40.6142 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(144, 247, 150) }
```


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

```
.border{ border-color:rgb(144, 247, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 247, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 247, 150); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 247, 150); box-shadow:4px 4px 4px 4px rgb(144, 247, 150) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2674, 74.6528, 40.6142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 247, 150) }
```

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

```
.background{ background-color: rgb(144,  
247, 150) }
```

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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