

Converting Colors

XYZ(44.4017, 75.6979, 24.8420)

Have a look what the booklet for
XYZ(44.4017, 75.6979, 24.8420)
contains.

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Color

**XYZ(44.3426, 75.6675,
24.8386)**

Conversions

Conversions Part 1

Format	Color
Hex	6CFF66
RGB	108, 255, 102
RGB Percent	42%, 100%, 40%
CMY	0.5765, 0.0000, 0.6000
CMYK	0.58, 0.00, 0.60, 0.00
HSL	118°, 100%, 70%
HSV	118°, 60%, 100%
XYZ	44.3426, 75.6675, 24.8386
YIQ	193.6050, -38.4990, -78.7470

Conversions

Conversions Part 2

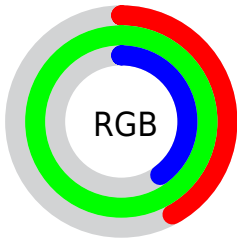
Format	Color
RYB	102, 255, 249
Decimal	7143270
CIELab	89.70, -67.83, 60.05
CIELCh	90, 90.591, 138.485
Yxy	75.6675, 0.3061, 0.5224
Android (android.graphics.Color)	4285333350 (0xFF6CFF66)
YUV	193.6050, -45.1613, -75.0756
Hunter-Lab	86.9871, -61.2351, 43.9611

Details

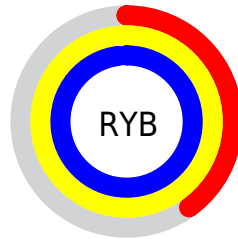
The XYZ color **44.3426, 75.6675, 24.8386** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **61.8704, 36.8642, 98.4623**, and the grayscale version is **51.3193, 53.9919, 58.7972**.

A 20% lighter version of the original color is **58.6404, 82.6122, 44.7534**, and **20.8659, 40.3416, 9.1696** is the 20% darker color. If you saturate the color by 10%, you get **40.6936, 73.9107, 19.0512**, and if you desaturate by 10%, it is **49.2180, 78.0115, 32.7152**.

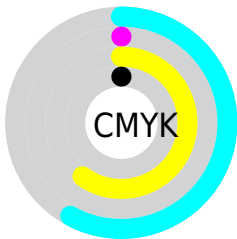
Distribution



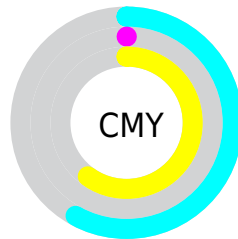
- Red (42%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (98%)



- Cyan (58%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.3426, 75.6675, 24.8386 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 44.3426, 75.6675, 24.8386 by changing the saturation by 10% instead.


 44.3426, 75.6675,
24.8386


 44.3426, 75.6675,
24.8386


354.9332,
480.2087, 290.4551

 31.1390, 56.1599,
15.7389


 80.9762, 127.2568,
52.3561


 20.8571, 40.3311,
9.1872


 105.1369,
160.1073, 71.6111

 13.1314, 27.7968,
4.7650


 133.6807,
198.1742, 95.0882

 7.5967, 18.1726,
2.0538

 166.9729,
241.8419, 123.2060

 3.8876, 11.0739,
0.5880

205.3789,
291.4948, 156.3830

 1.6388, 6.1166,
0.0000

249.2640,

 0.4175, 2.9161,

347.5173, 195.0379

0.0000

298.9937,
410.2938, 239.5891

0.0000, 1.0881,
0.0000

0.0000, 0.0000,
0.0000

44.3426, 75.6675,
24.8386

44.3426, 75.6675,
24.8386

40.6936, 73.9107,
19.0512

49.2180, 78.0115,
32.7152

38.1612, 72.6888,
15.1516

55.4151, 80.9883,
42.8506

36.6172, 71.9410,
12.9046

63.0207, 84.6393,
55.4011

35.8852, 71.5845,
11.9260

72.1141, 89.0021,
70.5080

■ 35.8851, 71.5845,
11.9259

■ 82.7685, 94.1118,
88.3018

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.



59.1577, 75.6675, 12.1670



44.3426, 75.6675, 24.8386



37.5418, 75.6675, 60.2161

Triad

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



44.3426, 75.6675, 24.8386



63.6913, 75.6675, 270.9328



120.7600, 75.6675, 49.2522

Complementary

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



44.3426, 75.6675, 24.8386



61.8704, 36.8642, 98.4623

Split Complementary

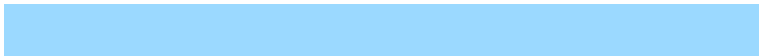
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



122.6769, 75.6675, 109.4293



44.3426, 75.6675, 24.8386



86.3965, 75.6675, 262.4737

Square

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



44.3426, 75.6675, 24.8386



47.0680, 75.6675, 212.8728



109.0614, 75.6675, 193.5992



104.2659, 75.6675, 20.3862

Rectangle

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



44.3426, 75.6675, 24.8386



37.2870, 75.6675, 101.8789



109.0614, 75.6675, 193.5992



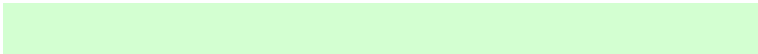
123.2402, 75.6675, 65.5583

Sweetspot

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



44.3429, 75.6676, 24.8398



74.1160, 89.9623, 73.8447



77.0065, 88.9553, 25.6830



15.2443, 18.9585, 14.7734



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.



44.3429, 75.6676, 24.8398



40.1011, 73.6250, 18.1263



48.5767, 77.2797, 50.8107



17.8374, 20.2021, 19.1036



18.7792, 37.4191, 6.2328



1.8506, 3.6548, 0.6079

Inverse Universe

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



61.8704, 36.8642, 98.4623



58.9711, 31.6984, 97.6180



54.8709, 34.3153, 50.2707



18.7182, 18.2620, 22.7883



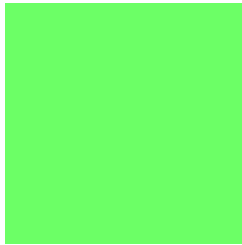
29.1401, 13.9328, 50.5880



2.8583, 1.3674, 4.9266

Previews

White Background



This preview shows how the XYZ color 44.3426, 75.6675, 24.8386 looks on a white background.

Color Contrast Check

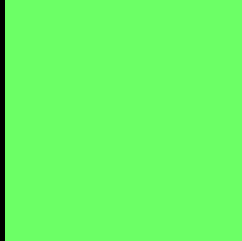
Large Text (above 18pt) WCAG AA × Fail

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 44.3426, 75.6675, 24.8386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

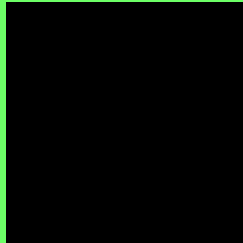
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

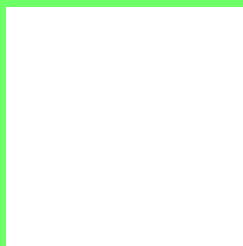
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.3426, 75.6675, 24.8386

Background



This preview shows how black text looks on a background with the XYZ color 44.3426, 75.6675, 24.8386.

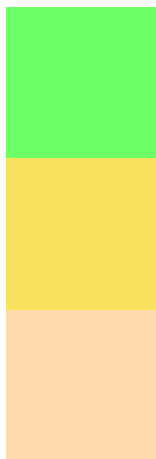


This preview shows how white text looks on a background with the XYZ color 44.3426, 75.6675,

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

44.3426, 75.6675, 24.8386

Protanopia

67.6984, 74.2414, 21.1179

Deuteranopia

73.5671, 74.3051, 48.4951



Tritanopia

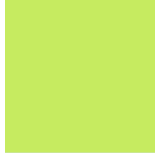
62.1421, 75.3376, 105.8741

Trichromacy



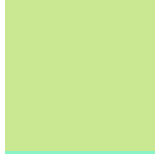
Original Color

44.3426, 75.6675, 24.8386



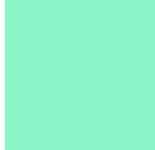
Protanomaly

55.1084, 72.2670, 22.1107



Deuteranomaly

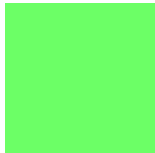
58.0439, 71.7527, 37.5785



Tritanomaly

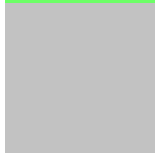
53.1407, 74.2282, 65.5595

Monochromacy



Original Color

44.3426, 75.6675, 24.8386



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

46.0931, 59.4715, 42.7680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3426, 75.6675, 24.8386 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(108, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(108, 255, 102)  
}
```

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(108, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 44.3426, 75.6675, 24.8386 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(108, 255, 102) }
```


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

```
.border{ border-color:rgb(108, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(108, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3426, 75.6675, 24.8386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 255, 102) }
```

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

```
.background{ background-color: rgb(108,  
255, 102) }
```

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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