

Converting Colors

XYZ(44.2705, 75.7992, 17.2057)

Have a look what the booklet for
XYZ(44.2705, 75.7992, 17.2057)
contains.

XYZ(44.2932, 75.8121, 17.1492)	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(44.2932, 75.8121,
17.1492)**

Conversions

Conversions Part 1

Format	Color
Hex	77FF40
RGB	119, 255, 64
RGB Percent	47%, 100%, 25%
CMY	0.5333, 0.0000, 0.7490
CMYK	0.53, 0.00, 0.75, 0.00
HSL	103°, 100%, 63%
HSV	103°, 75%, 100%
XYZ	44.2932, 75.8121, 17.1492
YIQ	192.5620, -19.7450, -88.2330

Conversions

Conversions Part 2

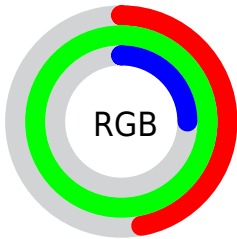
Format	Color
RYB	64, 255, 200
Decimal	7864128
CIELab	89.77, -68.27, 74.36
CIElCh	90, 100.942, 132.555
Yxy	75.8121, 0.3227, 0.5523
Android (android.graphics.Color)	4286054208 (0xFF77FF40)
YUV	192.5620, -63.3811, -64.5139
Hunter-Lab	87.0701, -61.5685, 49.2714

Details

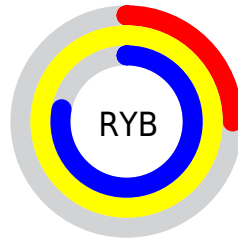
The XYZ color **44.2932, 75.8121, 17.1492** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **43.7052, 23.1681, 96.7761**, and the grayscale version is **50.8002, 53.4458, 58.2024**.

A 20% lighter version of the original color is **58.6895, 82.9203, 31.9807**, and **21.0484, 40.4904, 6.7061** is the 20% darker color. If you saturate the color by 10%, you get **41.4673, 74.4209, 14.0561**, and if you desaturate by 10%, it is **47.9270, 77.5816, 22.0121**.

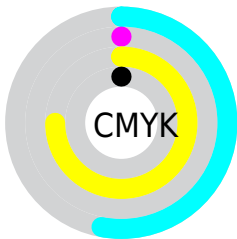
Distribution



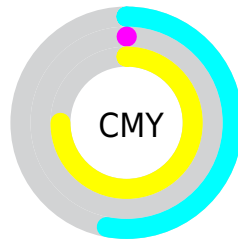
- Red (47%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (78%)



- Cyan (53%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2932, 75.8121, 17.1492 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 44.2932, 75.8121, 17.1492 by changing the saturation by 10% instead.


 44.2932, 75.8121,
17.1492

 44.2932, 75.8121,
17.1492


354.7354,
480.7042, 248.1037


 31.1000, 56.2784,
10.1778


 80.9024, 127.4613,
39.3763


 20.8272, 40.4262,
5.4099


 105.0490,
160.3456, 55.4691


 13.1095, 27.8710,
2.4268


 133.5776,
198.4489, 75.4395

 7.5815, 18.2284,
0.8010

 166.8533,
242.1556, 99.7059

 3.8779, 11.1141,
0.0000

 205.2416,
291.8501, 128.6871

 1.6333, 6.1437,
0.0000

249.1078,

 0.4140, 2.9326,

347.9167, 162.8014

0.0000

298.8173,
410.7400, 202.4674

■ 0.0000, 1.0967,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.2932, 75.8121,
17.1492

■ 44.2932, 75.8121,
17.1492

■ 41.4673, 74.4209,
14.0561

■ 47.9270, 77.5816,
22.0121


■ 39.3722, 73.3738,
12.4685


■ 52.4332, 79.7578,
28.8533


■ 38.5398, 72.9530,
12.0501

■ 57.8697, 82.3668,
37.8560

■ 64.2886, 85.4319,
49.1817

 71.7383, 88.9747,
62.9765

 80.2635, 93.0155,
79.3744

 89.9062, 97.5731,
98.4997

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.



62.1458, 75.8121, 8.0200



44.2932, 75.8121, 17.1492



35.3622, 75.8121, 47.8952

Triad

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



44.2932, 75.8121, 17.1492



58.6399, 75.8121, 294.5222



129.5979, 75.8121, 56.1915

Complementary

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



44.2932, 75.8121, 17.1492



43.7052, 23.1681, 96.7761

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.



128.0411, 75.8121, 130.8356



44.2932, 75.8121, 17.1492



82.9699, 75.8121, 301.6467

Square

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



44.2932, 75.8121, 17.1492



42.2383, 75.8121, 214.2807



109.5147, 75.8121, 230.2834



113.3762, 75.8121, 20.2167

Rectangle

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



44.2932, 75.8121, 17.1492



34.0390, 75.8121, 88.8090



109.5147, 75.8121, 230.2834



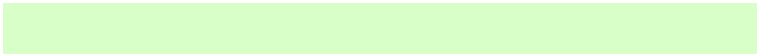
131.2270, 75.8121, 76.5856

Sweetspot

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



44.2934, 75.8122, 17.1504



74.0971, 90.0940, 67.4565



62.2917, 61.8825, 13.5130



15.3870, 19.0594, 13.5401



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.



44.2934, 75.8122, 17.1504



40.3127, 73.8461, 13.0773



40.2834, 73.5737, 24.7020



18.2628, 20.4214, 19.1235



20.2646, 38.1849, 6.3024



2.0755, 3.7707, 0.6184

Inverse Universe

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



43.7052, 23.1681, 96.7761



39.3748, 18.7454, 96.1507



55.5724, 29.9271, 68.3579



18.2532, 18.0223, 22.7665



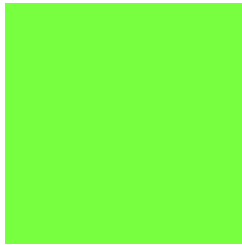
19.6146, 9.0222, 50.1422



2.0179, 0.9342, 4.8872

Previews

White Background



This preview shows how the XYZ color 44.2932, 75.8121, 17.1492 looks on a white background.

Color Contrast Check

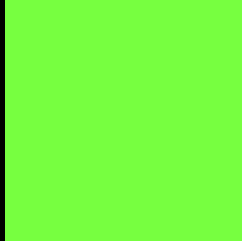
Large Text (above 18pt) WCAG AA × Fail

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 44.2932, 75.8121, 17.1492 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

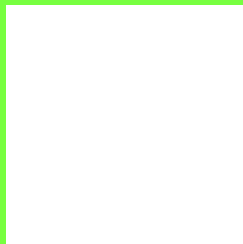
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.2932, 75.8121, 17.1492

Background



This preview shows how black text looks on a background with the XYZ color 44.2932, 75.8121, 17.1492.

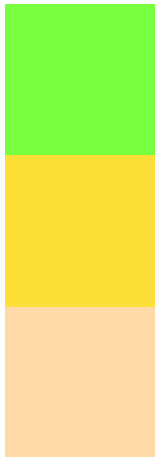


This preview shows how white text looks on a background with the XYZ color 44.2932, 75.8121,

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

44.2932, 75.8121, 17.1492

Protanopia

67.5143, 74.2923, 14.5228

Deuteranopia

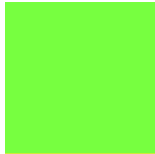
73.3793, 74.2300, 47.5061



Tritanopia

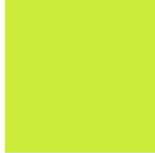
62.6323, 75.1593, 105.8139

Trichromacy



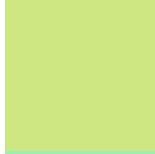
Original Color

44.2932, 75.8121, 17.1492



Protanomaly

55.3996, 72.5698, 15.2252



Deuteranomaly

58.0588, 71.8853, 31.9343



Tritanomaly

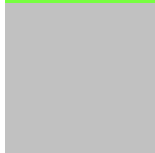
52.7152, 74.1758, 57.9934

Monochromacy



Original Color

44.2932, 75.8121, 17.1492



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

45.4701, 59.2940, 36.2425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.2932, 75.8121, 17.1492 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(119, 255, 64)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 64)  
}
```

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(119, 255, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 64) }
```

Border

The CSS property to change the border of an element to XYZ 44.2932, 75.8121, 17.1492 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(119, 255, 64) }
```


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

```
.border{ border-color:rgb(119, 255, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 255, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 255, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 255, 64);  
box-shadow:4px 4px 4px 4px rgb(119, 255,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 44.2932, 75.8121, 17.1492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 64) }
```

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

```
.background{ background-color: rgb(119,  
255, 64) }
```

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