

# Converting Colors

XYZ(56.6036, 100.0000,  
27.7402)

Have a look what the booklet for  
XYZ(56.6036, 100.0000, 27.7402)  
contains.

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# Color

**XYZ(44.4732, 75.7626,  
23.5889)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FFF61
RGB	111, 255, 97
RGB Percent	44%, 100%, 38%
CMY	0.5647, 0.0000, 0.6196
CMYK	0.56, 0.00, 0.62, 0.00
HSL	115°, 100%, 69%
HSV	115°, 62%, 100%
XYZ	44.4732, 75.7626, 23.5889
YIQ	193.9320, -35.1060, -79.6660

# Conversions

## Conversions Part 2

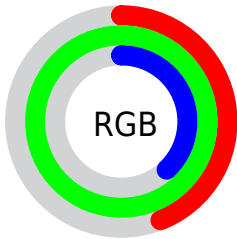
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	97, 255, 241
Decimal	7339873
CIE <sub>Lab</sub>	89.75, -67.64, 62.21
CIE <sub>LCh</sub>	90, 91.898, 137.398
Yxy	75.7626, 0.3092, 0.5268
Android (android.graphics.Color)	4285529953 (0xFF6FFF61)
YUV	193.9320, -47.7875, -72.7314
Hunter-Lab	87.0417, -61.1200, 44.8612

# Details

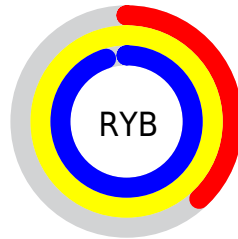
The XYZ color **44.4732, 75.7626, 23.5889** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **58.6023, 34.4718, 98.1728**, and the grayscale version is **51.5267, 54.2101, 59.0348**.

A 20% lighter version of the original color is **58.9653, 82.8186, 43.0148**, and **20.9433, 40.3958, 8.5271** is the 20% darker color. If you saturate the color by 10%, you get **40.9153, 74.0444, 18.1821**, and if you desaturate by 10%, it is **49.1743, 78.0259, 31.0455**.

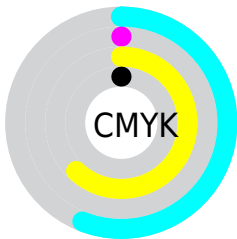
# Distribution



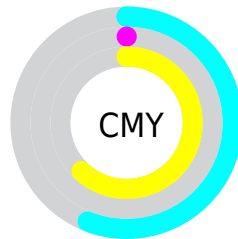
- Red (44%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (95%)



- Cyan (56%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4732, 75.7626, 23.5889 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 44.4732, 75.7626, 23.5889 by changing the saturation by 10% instead.





 44.4732, 75.7626,  
23.5889

 44.4732, 75.7626,  
23.5889


355.4555,  
480.5346, 283.9548

 31.2422, 56.2379,  
14.8196


 81.1713, 127.3913,  
50.2939


 20.9361, 40.3937,  
8.5476


 105.3690,  
160.2640, 69.0667

 13.1895, 27.8456,  
4.3546


 133.9531,  
198.3548, 92.0110

 7.6370, 18.2093,  
1.8218

 167.2889,  
242.0482, 119.5454

 3.9134, 11.1004,  
0.4423

205.7416,  
291.7285, 152.0884

 1.6533, 6.1344,  
0.0000

249.6767,

 0.4268, 2.9270,

347.7800, 190.0586

0.0000

299.4596,  
410.5873, 233.8746

■ 0.0000, 1.0937,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.4732, 75.7626,  
23.5889

■ 44.4732, 75.7626,  
23.5889

■ 40.9153, 74.0444,  
18.1821

■ 49.1743, 78.0259,  
31.0455

■ 38.4014, 72.8247,  
14.6179

■ 55.1046, 80.8750,  
40.7250

■ 36.8163, 72.0495,  
12.6521

■ 62.3431, 84.3471,  
52.7865

■ 36.1040, 71.6973,  
11.9361

■ 70.9616, 88.4761,  
67.3732

■ 81.0267, 93.2937,  
84.6173

■ 92.6008, 98.8291,  
104.6417

■ 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.



59.7565, 75.7626, 11.5340



44.4732, 75.7626, 23.5889



37.3195, 75.7626, 58.1601

# Triad

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



44.4732, 75.7626, 23.5889



62.9190, 75.7626, 273.9210



122.0811, 75.7626, 50.5346

# Complementary

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



44.4732, 75.7626, 23.5889



58.6023, 34.4718, 98.1728

# 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.



123.4270, 75.7626, 112.8110



44.4732, 75.7626, 23.5889



85.8337, 75.7626, 267.9529

# Square

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



44.4732, 75.7626, 23.5889



46.3682, 75.7626, 212.5838



109.0622, 75.7626, 199.0123



105.6991, 75.7626, 20.5287



# Rectangle

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



44.4732, 75.7626, 23.5889



36.8781, 75.7626, 99.6177



109.0622, 75.7626, 199.0123



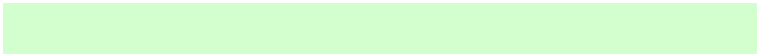
124.4133, 75.7626, 67.4520

# Sweetspot

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



44.4735, 75.7627, 23.5901



73.7862, 89.8285, 72.1931



74.3231, 83.9736, 23.6017



15.2084, 18.9470, 14.4542



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.



44.4735, 75.7627, 23.5901



40.3209, 73.7566, 17.3121



47.0532, 76.6068, 45.6574



17.9207, 20.2450, 19.1075



18.9155, 37.4894, 6.2392



1.8900, 3.6751, 0.6098



# Inverse Universe

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



58.6023, 34.4718, 98.1728



55.3713, 29.3780, 97.3599



55.0076, 33.6072, 53.3418



18.6246, 18.2137, 22.7839



26.9559, 12.8068, 50.4858

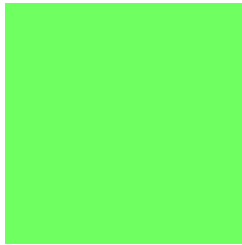


2.6692, 1.2700, 4.9177



# Previews

## White Background



This preview shows how the XYZ color 44.4732, 75.7626, 23.5889 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 44.4732, 75.7626, 23.5889 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

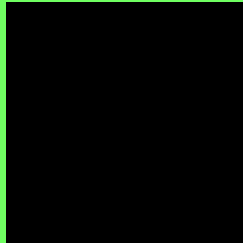
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.4732, 75.7626, 23.5889**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4732, 75.7626, 23.5889.



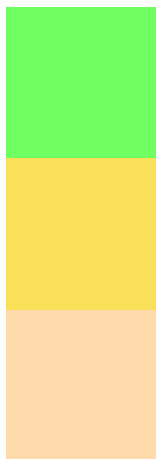
This preview shows how white text looks on a background with the XYZ color 44.4732, 75.7626,



# 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

44.4732, 75.7626, 23.5889

### Protanopia

67.8414, 74.3399, 20.0059

### Deuteranopia

73.5671, 74.3051, 48.4951



## Tritanopia

62.0445, 74.8563, 105.7864

# Trichromacy



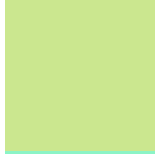
## Original Color

44.4732, 75.7626, 23.5889



## Protanomaly

55.1498, 72.3141, 20.9488



## Deuteranomaly

58.1624, 71.8315, 36.7860



## Tritanomaly

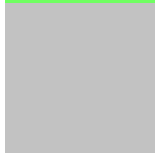
53.3589, 74.3540, 64.9655

# Monochromacy



## Original Color

44.4732, 75.7626, 23.5889



## Achromatopsia

51.2775, 53.9479, 58.7493



## Achromatomaly

46.1237, 59.5074, 41.8560

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4732, 75.7626, 23.5889 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(111, 255, 97)` looks like.

```
.text, #text, p{  
    color:rgb(111, 255, 97)  
}
```

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(111, 255, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 255, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4732, 75.7626, 23.5889 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(111, 255, 97) }
```



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

```
.border{ border-color:rgb(111, 255, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 255, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 255, 97); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 255, 97); box-shadow:4px 4px 4px 4px rgb(111, 255, 97) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4732, 75.7626, 23.5889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 255, 97) }
```

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

```
.background{ background-color: rgb(111,  
255, 97) }
```

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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