

# Converting Colors

XYZ(43.7259, 75.3394, 25.2699)

Have a look what the booklet for  
XYZ(43.7259, 75.3394, 25.2699)  
contains.

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# Color

**XYZ(43.7382, 75.3443,  
25.3344)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FF68
RGB	102, 255, 104
RGB Percent	40%, 100%, 41%
CMY	0.6000, 0.0000, 0.5921
CMYK	0.60, 0.00, 0.59, 0.00
HSL	121°, 100%, 70%
HSV	121°, 60%, 100%
XYZ	43.7382, 75.3443, 25.3344
YIQ	192.0390, -42.7170, -79.3970

# Conversions

## Conversions Part 2

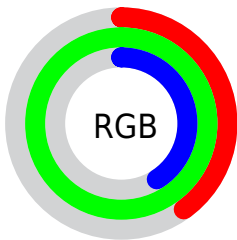
Format	Color
<a href="#">RYB</a>	<a href="#">102, 253, 255</a>
Decimal	<a href="#">6750056</a>
CIELab	<a href="#">89.55, -68.95, 58.98</a>
CIELCh	<a href="#">90, 90.736, 139.459</a>
Yxy	<a href="#">75.3443, 0.3029, 0.5217</a>
Android (android.graphics.Color)	<a href="#">4284940136 (0xFF66FF68)</a>
YUV	<a href="#">192.0390, -43.4032, -78.9642</a>
Hunter-Lab	<a href="#">86.8011, -61.9576, 43.4560</a>

# Details

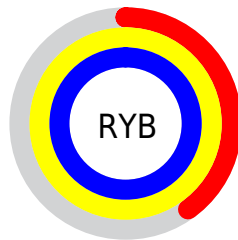
The XYZ color **43.7382, 75.3443, 25.3344** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **63.7204, 37.8545, 96.8735**, and the grayscale version is **50.3892, 53.0133, 57.7315**.

A 20% lighter version of the original color is **57.7439, 82.1302, 45.6102**, and **20.5123, 40.1524, 9.4654** is the 20% darker color. If you saturate the color by 10%, you get **40.1858, 73.6393, 19.4621**, and if you desaturate by 10%, it is **48.5610, 77.6601, 33.2588**.

# Distribution



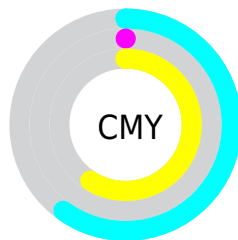
- Red (40%)
- Green (100%)
- Blue (41%)



- Red (40%)
- Yellow (99%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7382, 75.3443, 25.3344 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 43.7382, 75.3443, 25.3344 by changing the saturation by 10% instead.





 43.7382, 75.3443,  
25.3344

 43.7382, 75.3443,  
25.3344


352.5092,  
479.1001, 293.0000


 30.6618, 55.8950,  
16.1051


 80.0724, 126.7996,  
53.1700


 20.4920, 40.1187,  
9.4434


 104.0610,  
159.5744, 72.6134

 12.8635, 27.6311,  
4.9308


 132.4176,  
197.5598, 96.2986

 7.4110, 18.0478,  
2.1487

 165.5076,  
241.1403, 124.6441

 3.7690, 10.9843,  
0.6445

203.6964,  
290.7001, 158.0684

 1.5723, 6.0563,  
0.0000

247.3494,

 0.3743, 2.8793,

346.6238, 196.9902

0.0000

296.8318,  
409.2957, 241.8279

0.0000, 1.0691,  
0.0000

0.0000, 0.0000,  
0.0000

43.7382, 75.3443,  
25.3344

43.7382, 75.3443,  
25.3344

40.1858, 73.6393,  
19.4621

48.5610, 77.6601,  
33.2588

37.7835, 72.4871,  
15.4499

54.7578, 80.6367,  
43.3974

36.3891, 71.8194,  
13.0753

62.4228, 84.3194,  
55.9001

35.7783, 71.5273,  
12.0164

71.6415, 88.7493,  
70.9025

■ 35.7783, 71.5273,  
12.0164

■ 82.4928, 93.9644,  
88.5303

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.



58.2669, 75.3443, 12.2067



43.7382, 75.3443, 25.3344



37.2094, 75.3443, 61.5741

# Triad

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



43.7382, 75.3443, 25.3344



64.0567, 75.3443, 271.4627



120.0829, 75.3443, 47.5741

# Complementary

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



43.7382, 75.3443, 25.3344



63.7204, 37.8545, 96.8735

# Split Complementary

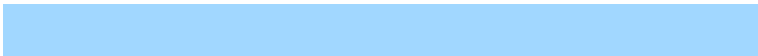
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



122.5329, 75.3443, 106.5953



43.7382, 75.3443, 25.3344



86.8545, 75.3443, 260.6450

# Square

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



43.7382, 75.3443, 25.3344



47.2174, 75.3443, 215.0777



109.3559, 75.3443, 190.4346



103.2277, 75.3443, 19.6573



# Rectangle

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



43.7382, 75.3443, 25.3344



37.1186, 75.3443, 103.8992



109.3559, 75.3443, 190.4346



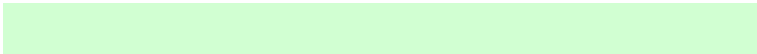
122.7341, 75.3443, 63.4794

# Sweetspot

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



43.7385, 75.3444, 25.3356



73.6785, 89.7282, 74.2137



79.3983, 93.7393, 26.4793



15.1404, 18.9029, 14.8609



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.



43.7385, 75.3444, 25.3356



39.6174, 73.3666, 18.5172



49.3258, 77.5793, 54.7579



17.7812, 20.1720, 19.1510



18.6991, 37.3762, 6.3007



1.8239, 3.6405, 0.6305



# Inverse Universe

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



63.7204, 37.8545, 96.8735



61.1840, 32.8836, 95.7133



54.0777, 33.9974, 46.0953



18.7818, 18.2960, 22.7342



30.7065, 14.7719, 49.2321

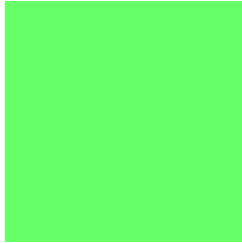


2.9930, 1.4396, 4.8103



# Previews

## White Background



This preview shows how the XYZ color 43.7382, 75.3443, 25.3344 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 43.7382, 75.3443, 25.3344 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

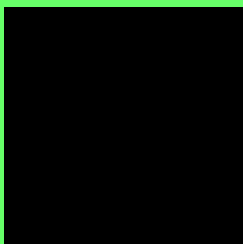
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

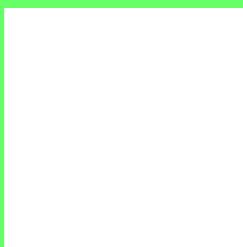
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.7382, 75.3443, 25.3344**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7382, 75.3443, 25.3344.



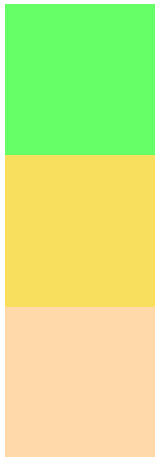
This preview shows how white text looks on a background with the XYZ color 43.7382, 75.3443,



# 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

43.7382, 75.3443, 25.3344

### Protanopia

67.3874, 74.0759, 21.3361

### Deuteranopia

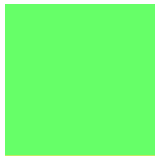
73.2143, 73.7503, 47.9125



## Tritanopia

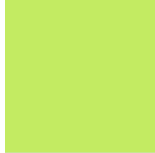
61.3870, 74.9484, 105.8388

# Trichromacy



## Original Color

43.7382, 75.3443, 25.3344



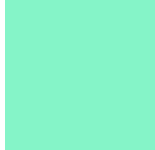
## Protanomaly

54.4186, 71.9006, 22.5653



## Deuteranomaly

57.2399, 71.3383, 37.5409



## Tritanomaly

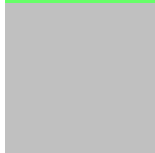
52.4489, 73.8580, 66.1353

# Monochromacy



## Original Color

43.7382, 75.3443, 25.3344



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

44.9437, 58.5099, 42.1825

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7382, 75.3443, 25.3344 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(102, 255, 104)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 104)  
}
```

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(102, 255, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 104) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7382, 75.3443, 25.3344 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(102, 255, 104) }
```



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

```
.border{ border-color:rgb(102, 255, 104) }
```

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

Here you see how a box with a 4 pixel rgb(102, 255, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 104);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
104) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7382, 75.3443, 25.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 104) }
```

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

```
.background{ background-color: rgb(102,  
255, 104) }
```

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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