

# Converting Colors

XYZ(47.4155, 68.2635, 73.9670)

Have a look what the booklet for  
XYZ(47.4155, 68.2635, 73.9670)  
contains.

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# Color

**XYZ(47.6419, 68.5455,  
74.3379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61EED6
RGB	97, 238, 214
RGB Percent	38%, 93%, 84%
CMY	0.6196, 0.0667, 0.1608
CMYK	0.59, 0.00, 0.10, 0.07
HSL	170°, 81%, 66%
HSV	170°, 59%, 93%
XYZ	47.6419, 68.5455, 74.3379
YIQ	193.1050, -76.3320, -37.3560

# Conversions

## Conversions Part 2

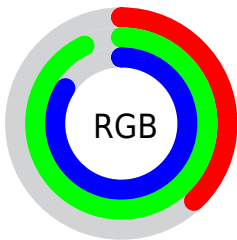
Format	Color
<a href="#">RYB</a>	<a href="#">97, 174, 238</a>
Decimal	<a href="#">6418134</a>
CIELab	<a href="#">86.28, -43.68, 0.23</a>
CIELCh	<a href="#">86, 43.677, 179.693</a>
Yxy	<a href="#">68.5455, 0.2501, 0.3598</a>
Android (android.graphics.Color)	<a href="#">4284608214</a> (0xFF61EED6)
YUV	<a href="#">193.1050, 10.3012, -84.2841</a>
Hunter-Lab	<a href="#">82.7922, -42.1704, 4.7189</a>

# Details

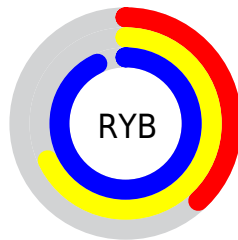
The XYZ color **47.6419, 68.5455, 74.3379** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **42.9881, 28.1089, 21.2515**, and the grayscale version is **50.7257, 53.3673, 58.1170**.

A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **22.7819, 35.5510, 38.4622** is the 20% darker color. If you saturate the color by 10%, you get **44.9656, 67.2265, 71.5463**, and if you desaturate by 10%, it is **51.0955, 70.2670, 77.2361**.

# Distribution



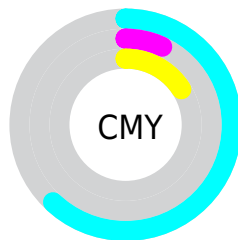
- Red (38%)
- Green (93%)
- Blue (84%)



- Red (38%)
- Yellow (68%)
- Blue (93%)



- Cyan (59%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)




- Cyan (62%)
- Magenta (7%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6419, 68.5455, 74.3379 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 47.6419, 68.5455, 74.3379 by changing the saturation by 10% instead.





 47.6419, 68.5455,  
74.3379


 47.6419, 68.5455,  
74.3379


367.9772,  
455.4263, 494.8333


 33.7535, 50.3417,  
54.5722


 85.8839, 117.1322,  
127.1131

 22.8663, 35.6849,  
38.6630


 110.9682,  
148.2838, 160.9598

 14.6149, 24.1910,  
26.1919


 140.5151,  
184.5201, 200.3371

 8.6341, 15.4753,  
16.7402

 174.8901,  
226.2256, 245.6637

 4.5585, 9.1537,  
9.8894

214.4584,  
273.7845, 297.3580

 2.0227, 4.8415,  
5.2211

259.5855,

 0.6467, 2.1546,

327.5814, 355.8387

2.3165

310.6366,  
388.0005, 421.5243

■ 0.0000, 0.6951,  
0.7405

■ 0.0000, 0.0000,  
0.0000

■ 47.6419, 68.5455,  
74.3379

■ 47.6419, 68.5455,  
74.3379

■ 44.9656, 67.2265,  
71.5463

■ 51.0955, 70.2670,  
77.2361

■ 42.9902, 66.2657,  
68.8527


■ 55.3824, 72.4149,  
80.2394


■ 41.6342, 65.6228,  
66.2543


■ 60.5598, 75.0205,  
83.3526


■ 40.7677, 65.2308,  
63.7446

■ 66.6786, 78.1097,  
86.5784


 40.7098, 65.2050,  
63.5574

 73.7854, 81.7069,  
89.9196

 81.9241, 85.8344,  
93.3785

 87.8972, 88.8440,  
96.8061

 88.5139, 89.0906,  
100.0534

 89.1441, 89.3427,  
103.3723

# Harmonies

## Analogous

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



49.8221, 68.5455, 50.0014



47.6419, 68.5455, 74.3379



49.7354, 68.5455, 105.6134

# Triad

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



47.6419, 68.5455, 74.3379



75.2209, 68.5455, 133.9175



75.4187, 68.5455, 36.2648

# Complementary

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



47.6419, 68.5455, 74.3379



42.9881, 28.1089, 21.2515

# 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.



83.4608, 68.5455, 50.3962



47.6419, 68.5455, 74.3379



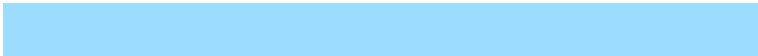
83.3386, 68.5455, 106.2629

# Square

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



47.6419, 68.5455, 74.3379



65.0468, 68.5455, 144.9593



86.4957, 68.5455, 74.9317



65.2542, 68.5455, 31.7798

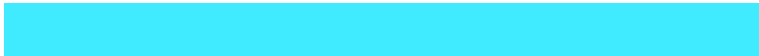


# Rectangle

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



47.6419, 68.5455, 74.3379



53.4100, 68.5455, 125.4159



86.4957, 68.5455, 74.9317



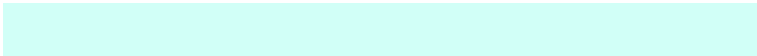
78.4964, 68.5455, 39.8286

# Sweetspot

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



47.6439, 68.5482, 74.3395



78.9001, 91.8168, 101.7105



40.8813, 66.2148, 21.9367



16.4070, 19.4095, 21.5304



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.



47.6439, 68.5482, 74.3395



52.0591, 78.3654, 83.0312



39.5120, 47.0118, 87.8836



16.1251, 17.8801, 19.6816



22.7534, 36.3934, 35.6798



1.9231, 3.0397, 3.1273



# Inverse Universe

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



42.9881, 28.1089, 21.2515



46.2234, 27.1661, 16.1101



47.0409, 38.2845, 16.2210



15.8826, 15.8027, 16.9379



19.9222, 10.2413, 2.2407

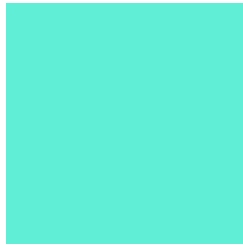


1.6888, 0.8646, 0.3521



# Previews

## White Background



This preview shows how the XYZ color 47.6419, 68.5455, 74.3379 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

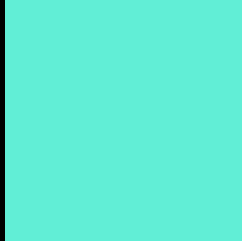
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.6419, 68.5455, 74.3379 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

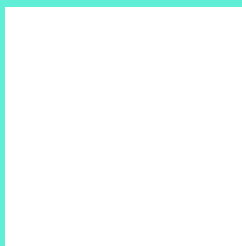
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.6419, 68.5455, 74.3379**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.6419, 68.5455, 74.3379.



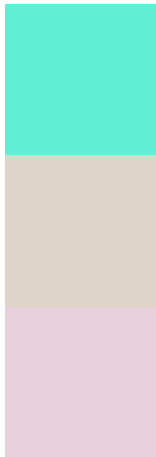
This preview shows how white text looks on a background with the XYZ color 47.6419, 68.5455,



# 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

47.6419, 68.5455, 74.3379

### Protanopia

64.0384, 67.1308, 64.2259

### Deuteranopia

68.8857, 67.4880, 77.8024



## Tritanopia

53.1070, 68.6224, 101.7132

# Trichromacy



## Original Color

47.6419, 68.5455, 74.3379



## Protanomaly

55.0452, 65.8804, 67.5726



## Deuteranomaly

57.5148, 65.7923, 75.9975



## Tritanomaly

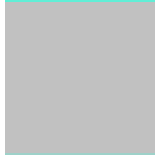
51.0848, 68.6539, 91.4480

# Monochromacy



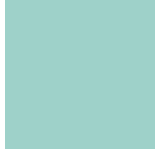
## Original Color

47.6419, 68.5455, 74.3379



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

47.4436, 57.0871, 63.7767

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.6419, 68.5455, 74.3379 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(97, 238, 214)` looks like.

```
.text, #text, p{  
    color:rgb(97, 238, 214)  
}
```

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(97, 238, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 238, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 47.6419, 68.5455, 74.3379 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(97, 238, 214) }
```



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

```
.border{ border-color:rgb(97, 238, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 238, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 238, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 238, 214);  
box-shadow:4px 4px 4px 4px rgb(97, 238,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.6419, 68.5455, 74.3379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 238, 214) }
```

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

```
.background{ background-color: rgb(97, 238,  
214) }
```

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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