

# Converting Colors

XYZ(47.4818, 64.1277, 99.4992)

Have a look what the booklet for  
XYZ(47.4818, 64.1277, 99.4992)  
contains.

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# Color

**XYZ(47.4329, 64.0715,  
99.4896)**

# Conversions

## Conversions Part 1

Format	Color
Hex	43E5F9
RGB	67, 229, 249
RGB Percent	26%, 90%, 98%
CMY	0.7372, 0.1019, 0.0235
CMYK	0.73, 0.08, 0.00, 0.02
HSL	187°, 94%, 62%
HSV	187°, 73%, 98%
XYZ	47.4329, 64.0715, 99.4896
YIQ	182.8420, -102.9720, -28.1240

# Conversions

## Conversions Part 2

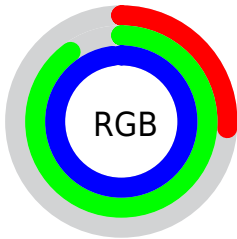
Format	Color
R <sub>YB</sub>	67, 153, 249
Decimal	4449785
CIE Lab	84.00, -34.45, -21.66
CIE LCh	84, 40.691, 212.155
Yxy	64.0715, 0.2248, 0.3037
Android (android.graphics.Color)	4282639865 (0xFF43E5F9)
YUV	182.8420, 32.6159, -101.5934
Hunter-Lab	80.0447, -34.3026, -17.6618

# Details

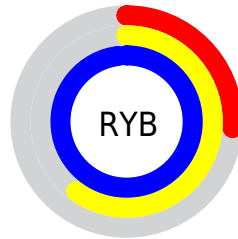
The XYZ color **47.4329, 64.0715, 99.4896** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.4899, 27.3634, 8.3016**, and the grayscale version is **44.7933, 47.1261, 51.3203**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **24.5692, 33.7374, 55.6691** is the 20% darker color. If you saturate the color by 10%, you get **45.3276, 61.8724, 99.1773**, and if you desaturate by 10%, it is **50.2873, 66.6771, 99.8433**.

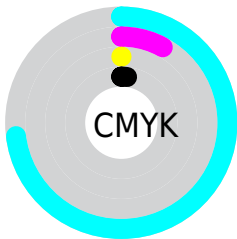
# Distribution



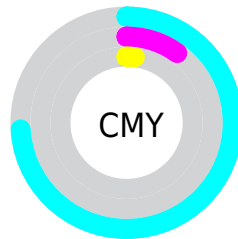
- Red (26%)
- Green (90%)
- Blue (98%)



- Red (26%)
- Yellow (60%)
- Blue (98%)



- Cyan (73%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)




- Cyan (74%)
- Magenta (10%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4329, 64.0715, 99.4896 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 47.4329, 64.0715, 99.4896 by changing the saturation by 10% instead.





 47.4329, 64.0715,  
99.4896

 47.4329, 64.0715,  
99.4896


367.1600,  
439.4478, 579.7877

 33.5874, 46.7086,  
75.2598


 85.5743, 110.7139,  
162.5014


 22.7382, 32.8053,  
55.3228


 110.6008,  
140.7622, 202.1204

 14.5199, 21.9774,  
39.2599


 140.0851,  
175.8077, 247.7064

 8.5673, 13.8403,  
26.6526

 174.3925,  
216.2349, 299.6777

 4.5149, 8.0097,  
17.0823

213.8883,  
262.4281, 358.4529

 1.9973, 4.1011,  
10.1306

258.9379,

 0.6325, 1.7303,

314.7717, 424.4507

5.3789

309.9067,  
373.6501, 498.0894

■ 0.0000, 0.4432,  
2.4087

■ 0.0000, 0.0000,  
0.7912

■ 47.4329, 64.0715,  
99.4896

■ 47.4329, 64.0715,  
99.4896

■ 45.3276, 61.8724,  
99.1773

■ 50.2873, 66.6771,  
99.8433


■ 43.8639, 60.0203,  
98.8970


■ 53.9685, 69.7255,  
100.2377


■ 43.1248, 58.8910,  
98.7179


■ 58.5507, 73.2562,  
100.6777


■ 64.0985, 77.3026,  
101.1663

 70.6703, 81.8950,  
101.7063

 78.3199, 87.0610,  
102.3003

 87.0972, 92.8267,  
102.9506

 92.8028, 97.0270,  
103.4606

 93.6633, 98.7480,  
103.7474

# Harmonies

## Analogous

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



45.2386, 64.0715, 71.6365



47.4329, 64.0715, 99.4896



53.1925, 64.0715, 123.1833

# Triad

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



47.4329, 64.0715, 99.4896



77.4557, 64.0715, 95.4699



60.2519, 64.0715, 31.1308

# Complementary

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



47.4329, 64.0715, 99.4896



43.4899, 27.3634, 8.3016

# 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.



69.3140, 64.0715, 34.5694



47.4329, 64.0715, 99.4896



79.8090, 64.0715, 67.9224

# Square

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



47.4329, 64.0715, 99.4896



70.5455, 64.0715, 120.4904



76.6970, 64.0715, 46.6396



52.1729, 64.0715, 35.7453

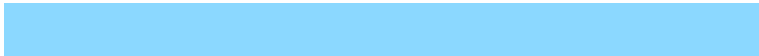


# Rectangle

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



47.4329, 64.0715, 99.4896



58.5741, 64.0715, 131.0235



76.6970, 64.0715, 46.6396



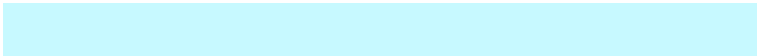
63.2826, 64.0715, 31.3810

# Sweetspot

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



47.4349, 64.0739, 99.4912



75.4015, 86.9981, 107.4260



37.8398, 69.6052, 20.0791



15.7053, 18.3232, 22.9589



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

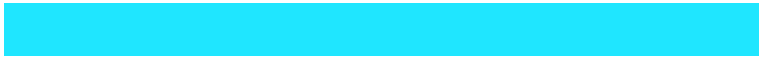


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.4349, 64.0739, 99.4912



46.9951, 64.2891, 104.5399



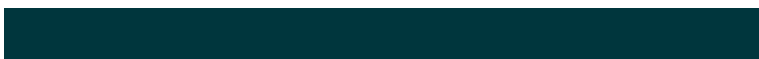
28.7647, 26.7334, 93.2677



17.5934, 19.2636, 22.1763



23.1489, 31.6533, 52.8632



2.1891, 3.0218, 4.9111



# Inverse Universe

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



55.2186, 29.8131, 76.9754



56.0506, 27.9516, 77.5557



55.6466, 51.6768, 12.3538



17.9060, 17.4898, 21.3609



27.9765, 13.6063, 38.1802

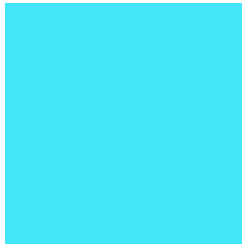


2.6139, 1.2693, 3.6560



# Previews

## White Background



This preview shows how the XYZ color 47.4329, 64.0715, 99.4896 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

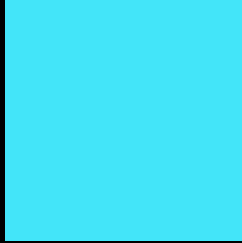
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.4329, 64.0715, 99.4896 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

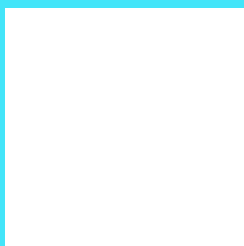
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.4329, 64.0715, 99.4896**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.4329, 64.0715, 99.4896.



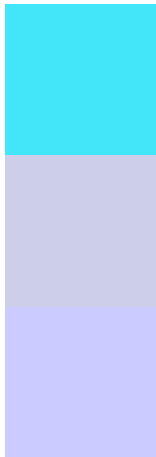
This preview shows how white text looks on a background with the XYZ color 47.4329, 64.0715,



# 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

47.4329, 64.0715, 99.4896

### Protanopia

61.8244, 62.9205, 86.7283

### Deuteranopia

64.3078, 62.7692, 103.3340



## Tritanopia

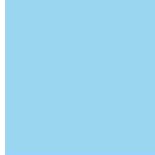
47.2094, 63.9742, 98.6670

# Trichromacy



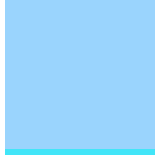
## Original Color

47.4329, 64.0715, 99.4896



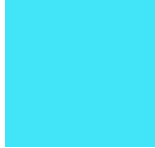
## Protanomaly

52.9530, 61.1952, 90.6823



## Deuteranomaly

54.5995, 61.0488, 101.8344



## Tritanomaly

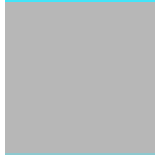
47.2094, 63.9742, 98.6670

# Monochromacy



## Original Color

47.4329, 64.0715, 99.4896



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

42.9013, 51.4763, 66.7063

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.4329, 64.0715, 99.4896 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(67, 229, 249)` looks like.

```
.text, #text, p{  
    color:rgb(67, 229, 249)  
}
```

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(67, 229, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 229, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 47.4329, 64.0715, 99.4896 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(67, 229, 249) }
```



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

```
.border{ border-color:rgb(67, 229, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 229, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 229, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 229, 249);  
box-shadow:4px 4px 4px 4px rgb(67, 229,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.4329, 64.0715, 99.4896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 229, 249) }
```

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

```
.background{ background-color: rgb(67, 229,  
249) }
```

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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