

# Converting Colors

XYZ(64.2950, 76.2695, 94.5531)

Have a look what the booklet for  
XYZ(64.2950, 76.2695, 94.5531)  
contains.

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# **Color**

**XYZ(64.2928, 76.2664,  
94.5514)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1EDF1
RGB	177, 237, 241
RGB Percent	69%, 93%, 95%
CMY	0.3059, 0.0706, 0.0549
CMYK	0.27, 0.02, 0.00, 0.05
HSL	184°, 70%, 82%
HSV	184°, 27%, 95%
XYZ	64.2928, 76.2664, 94.5514
YIQ	219.5160, -37.0440, -11.4760

# Conversions

## Conversions Part 2

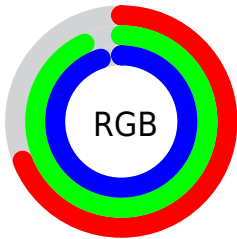
Format	Color
R <sub>Y</sub> B	177, 208, 241
Decimal	11660785
CIE Lab	89.98, -17.91, -8.08
CIE LCh	90, 19.649, 204.282
Yxy	76.2664, 0.2735, 0.3244
Android (android.graphics.Color)	4289850865 (0xFFB1EDF1)
YUV	219.5160, 10.5916, -37.2865
Hunter-Lab	87.3306, -21.4169, -3.0608

# Details

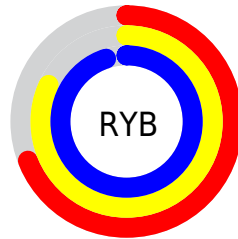
The XYZ color **64.2928, 76.2664, 94.5514** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.7361, 54.9231, 48.9965**, and the grayscale version is **67.6392, 71.1618, 77.4952**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **33.3069, 40.6881, 51.9971** is the 20% darker color. If you saturate the color by 10%, you get **58.8475, 72.8169, 94.1738**, and if you desaturate by 10%, it is **70.7157, 80.2291, 94.9790**.

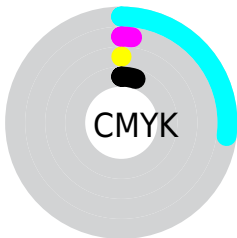
# Distribution



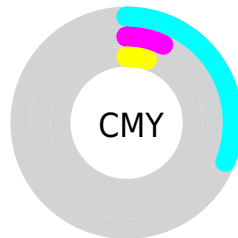
- Red (69%)
- Green (93%)
- Blue (95%)



- Red (69%)
- Yellow (82%)
- Blue (95%)



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)



- Cyan (31%)
- Magenta (7%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2928, 76.2664, 94.5514 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 64.2928, 76.2664, 94.5514 by changing the saturation by 10% instead.



64.2928, 76.2664,  
94.5514

64.2928, 76.2664,  
94.5514

429.8317,  
482.2591, 563.6754

47.1504, 56.6510,  
71.1668

110.1039,  
128.1034, 155.6349

33.3630, 40.7251,  
51.9957

139.5033,  
161.0938, 194.1710

22.5653, 28.1043,  
36.6194

173.7191,  
199.3113, 238.5946

14.3918, 18.4043,  
24.6195

213.1167,  
243.1403, 289.3244

8.4772, 11.2407,  
15.5774

258.0614,  
292.9651, 346.7788

4.4561, 6.2289,  
9.0745

308.9186,

1.9633, 2.9848,

349.1703, 411.3764

4.6923

366.0536,  
412.1402, 483.5358

■ 0.6132, 1.1238,  
2.0123

■ 0.0000, 0.0000,  
0.5628

■ 64.2928, 76.2664,  
94.5514

■ 64.2928, 76.2664,  
94.5514

■ 58.8475, 72.8169,  
94.1738

■ 70.7157, 80.2291,  
94.9790

■ 54.3219, 69.8451,  
93.8388

■ 78.1566, 84.7202,  
95.4537

■ 50.6627, 67.3253,  
93.5452

■ 86.6620, 89.7654,  
95.9793

■ 47.8082, 65.2257,  
93.2904

■ 89.1756, 91.7273,  
96.2254

45.6885, 63.5103,  
93.0710

89.6279, 92.6320,  
96.3762

44.2218, 62.1369,  
92.8833

90.0840, 93.5441,  
96.5283

43.3053, 61.0525,  
92.7223

90.5438, 94.4637,  
96.6815

43.0602, 60.7166,  
92.6703

91.0073, 95.3907,  
96.8360

91.4745, 96.3251,  
96.9918

# Harmonies

## Analogous

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



63.5746, 76.2664, 80.4008



64.2928, 76.2664, 94.5514



67.1644, 76.2664, 106.7442

# Triad

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



64.2928, 76.2664, 94.5514



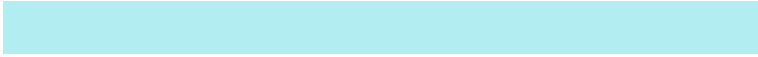
80.3513, 76.2664, 99.6819



73.4248, 76.2664, 59.1368

# Complementary

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



64.2928, 76.2664, 94.5514



60.7361, 54.9231, 48.9965

# 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.



78.0877, 76.2664, 63.1356



64.2928, 76.2664, 94.5514



82.1999, 76.2664, 85.7387

# Square

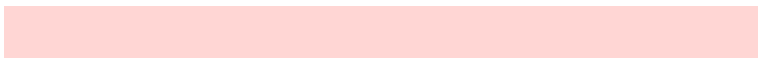
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.2928, 76.2664, 94.5514



76.4038, 76.2664, 109.9306



81.3536, 76.2664, 72.5051



68.7101, 76.2664, 60.9384

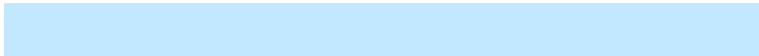


# Rectangle

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



64.2928, 76.2664, 94.5514



69.9845, 76.2664, 111.5884



81.3536, 76.2664, 72.5051



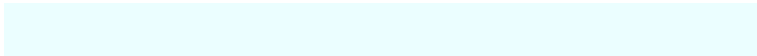
75.0524, 76.2664, 59.8320

# Sweetspot

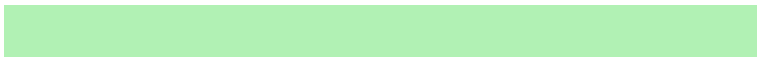
The Sweet Spot groups the original color and five complimentary colors.



64.2950, 76.2695, 94.5531



87.5339, 95.5240, 108.4322



57.8467, 75.5625, 54.8245



18.4520, 20.2756, 23.1910



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.



64.2950, 76.2695, 94.5531



69.5279, 84.4613, 107.2459



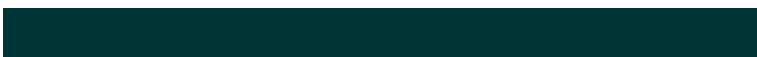
56.0332, 59.7458, 91.7992



16.1579, 17.7499, 20.2961



23.3878, 32.9998, 50.2648



1.9710, 2.7961, 4.1900



# Inverse Universe

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



67.2856, 56.2611, 87.4375



73.5006, 58.1969, 97.7226



67.8063, 69.0636, 51.3532



16.4091, 16.0134, 19.7108



27.1307, 13.1247, 40.2004

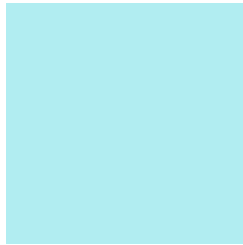


2.2698, 1.0970, 3.4118



# Previews

## White Background



This preview shows how the XYZ color 64.2928, 76.2664, 94.5514 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

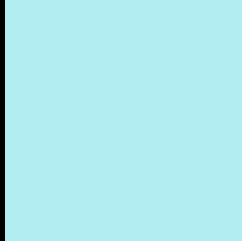
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.2928, 76.2664, 94.5514 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

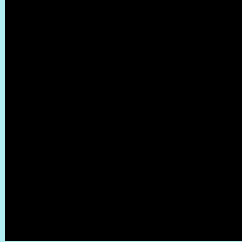
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 64.2928, 76.2664, 94.5514

## Background



This preview shows how black text looks on a background with the XYZ color 64.2928, 76.2664, 94.5514.



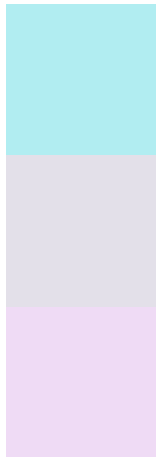
This preview shows how white text looks on a background with the XYZ color 64.2928, 76.2664,



# 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

64.2928, 76.2664, 94.5514

### Protanopia

73.0422, 75.5254, 87.8189

### Deuteranopia

77.4096, 75.6063, 96.8998



## Tritanopia

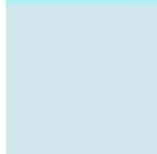
66.4201, 76.2757, 104.9879

# Trichromacy



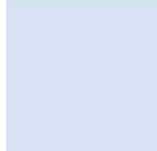
## Original Color

64.2928, 76.2664, 94.5514



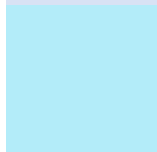
## Protanomaly

69.4541, 75.6501, 90.2982



## Deuteranomaly

71.8444, 75.5233, 96.3788



## Tritanomaly

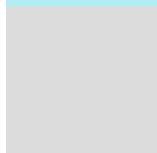
65.6847, 76.4142, 100.9100

# Monochromacy



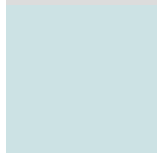
## Original Color

64.2928, 76.2664, 94.5514



## Achromatopsia

68.0267, 71.5694, 77.9390



## Achromatomaly

66.1018, 72.8315, 83.9727

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.2928, 76.2664, 94.5514 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(177, 237, 241)` looks like.

```
.text, #text, p{  
    color:rgb(177, 237, 241)  
}
```

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(177, 237, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 237, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 64.2928, 76.2664, 94.5514 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(177, 237, 241) }
```



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

```
.border{ border-color:rgb(177, 237, 241) }
```

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

Here you see how a box with a 4 pixel rgb(177, 237, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 237, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 237, 241);  
box-shadow:4px 4px 4px 4px rgb(177, 237,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.2928, 76.2664, 94.5514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 237, 241) }
```

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

```
.background{ background-color: rgb(177,  
237, 241) }
```

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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