

# Converting Colors

XYZ(62.3027, 72.2462, 91.4916)

Have a look what the booklet for  
XYZ(62.3027, 72.2462, 91.4916)  
contains.

<b>XYZ(62.3198, 72.3504, 91.5693)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(62.3198, 72.3504,  
91.5693)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E6EE
RGB	179, 230, 238
RGB Percent	70%, 90%, 93%
CMY	0.2980, 0.0980, 0.0667
CMYK	0.25, 0.03, 0.00, 0.07
HSL	188°, 63%, 82%
HSV	188°, 25%, 93%
XYZ	62.3198, 72.3504, 91.5693
YIQ	215.6630, -32.9640, -8.3240

# Conversions

## Conversions Part 2

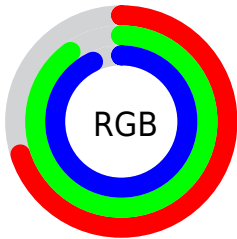
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	179, 206, 238
Decimal	11790062
CIE Lab	88.14, -14.49, -9.24
CIE LCh	88, 17.183, 212.511
Yxy	72.3504, 0.2755, 0.3198
Android (android.graphics.Color)	4289980142 (0xFFB3E6EE)
YUV	215.6630, 11.0121, -32.1535
Hunter-Lab	85.0590, -18.0726, -4.2866

# Details

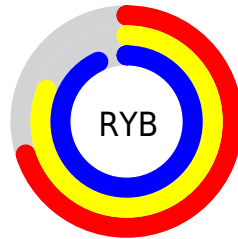
The XYZ color **62.3198, 72.3504, 91.5693** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.1676, 56.9726, 50.4222**, and the grayscale version is **64.9863, 68.3706, 74.4556**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **32.0370, 38.0095, 49.9040** is the 20% darker color. If you saturate the color by 10%, you get **56.3979, 67.9789, 91.0388**, and if you desaturate by 10%, it is **69.2120, 77.2504, 92.1530**.

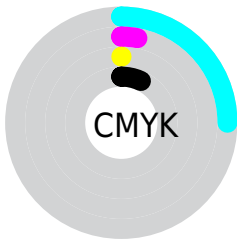
# Distribution



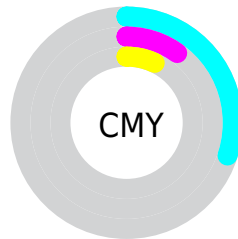
- Red (70%)
- Green (90%)
- Blue (93%)



- Red (70%)
- Yellow (81%)
- Blue (93%)



- Cyan (25%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (30%)
- Magenta (10%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.3198, 72.3504, 91.5693 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 62.3198, 72.3504, 91.5693 by changing the saturation by 10% instead.



62.3198, 72.3504,  
91.5693

62.3198, 72.3504,  
91.5693

422.7957,  
468.7603, 553.8239

45.5477, 53.4450,  
68.7019

107.2749,  
122.5546, 151.4708

32.0922, 38.1581,  
49.9987

136.1887,  
154.6221, 189.3420

21.5878, 26.1054,  
35.0412

169.8804,  
191.8458, 233.0516

13.6692, 16.9025,  
23.4108

208.7154,  
234.6100, 283.0181

7.9711, 10.1650,  
14.6890

253.0591,  
283.2992, 339.6600

4.1281, 5.5085,  
8.4572

303.2768,

1.7749, 2.5486,

338.2977, 403.3960

4.2969

359.7339,  
399.9899, 474.6444

■ 0.5025, 0.9009,  
1.7896

■ 0.0000, 0.0000,  
0.4211

■ 62.3198, 72.3504,  
91.5693

■ 62.3198, 72.3504,  
91.5693

■ 56.3979, 67.9789,  
91.0388

■ 69.2120, 77.2504,  
92.1530

■ 51.3909, 64.1018,  
90.5544

■ 77.1133, 82.6937,  
92.7872

■ 47.2479, 60.6944,  
90.1150

■ 86.0685, 88.7050,  
93.4756

■ 43.9101, 57.7265,  
89.7181

■ 88.6960, 91.4795,  
93.8726

41.3113, 55.1636,  
89.3604

89.6695, 93.4264,  
94.1971

39.3746, 52.9661,  
89.0383

90.6600, 95.4075,  
94.5273

38.0055, 51.0850,  
88.7474

91.6677, 97.4228,  
94.8631

37.4421, 50.1916,  
88.6046

92.4328, 98.9531,  
95.1182

# Harmonies

## Analogous

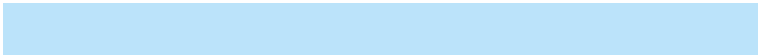
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.1750, 72.3504, 79.7724



62.3198, 72.3504, 91.5693



65.1857, 72.3504, 100.5928

# Triad

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



62.3198, 72.3504, 91.5693



76.0132, 72.3504, 89.6850



68.4215, 72.3504, 58.2731

# Complementary

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



62.3198, 72.3504, 91.5693



61.1676, 56.9726, 50.4222

# 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.



72.4769, 72.3504, 60.3685



62.3198, 72.3504, 91.5693



76.9623, 72.3504, 77.7905

# Square

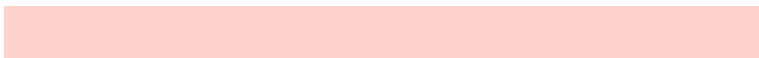
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.3198, 72.3504, 91.5693



73.0993, 72.3504, 99.4310



75.6439, 72.3504, 67.2358



64.6091, 72.3504, 61.2021



# Rectangle

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



62.3198, 72.3504, 91.5693



67.7427, 72.3504, 103.3969



75.6439, 72.3504, 67.2358



69.8013, 72.3504, 58.4132

# Sweetspot

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



62.3219, 72.3533, 91.5709



88.0182, 95.2364, 108.3511



58.1216, 74.3162, 58.2214



18.7158, 20.2999, 23.1818



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.



62.3219, 72.3533, 91.5709



69.0659, 81.8259, 106.7616



54.8256, 57.3607, 89.0722



16.0540, 17.5422, 20.2614



20.9589, 28.1420, 49.4552



1.7936, 2.4412, 4.1309



# Inverse Universe

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



65.6646, 56.1321, 82.2400



73.6852, 59.8702, 93.7635



68.0478, 70.7330, 52.7156



16.3567, 15.9924, 19.4346



25.9047, 12.6343, 33.7443

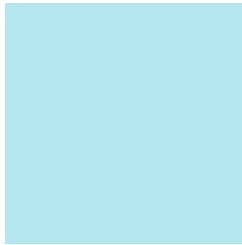


2.1803, 1.0612, 2.9402



# Previews

## White Background



This preview shows how the XYZ color 62.3198, 72.3504, 91.5693 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

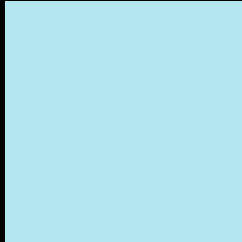
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.3198, 72.3504, 91.5693 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

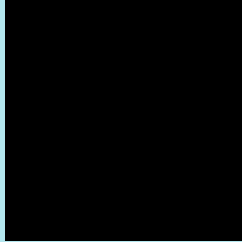
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.3198, 72.3504, 91.5693**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.3198, 72.3504, 91.5693.



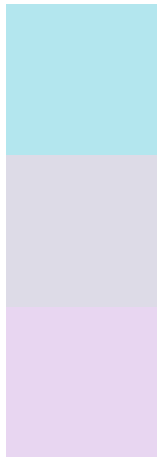
This preview shows how white text looks on a background with the XYZ color 62.3198, 72.3504,



# 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

62.3198, 72.3504, 91.5693

### Protanopia

69.5741, 71.8047, 85.7941

### Deuteranopia

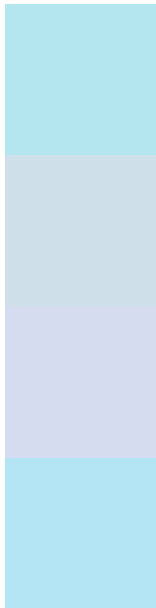
73.2025, 71.5998, 93.1810



## Tritanopia

63.8639, 72.5778, 98.6386

# Trichromacy



## Original Color

62.3198, 72.3504, 91.5693

## Protanomaly

66.6926, 71.8377, 88.1929

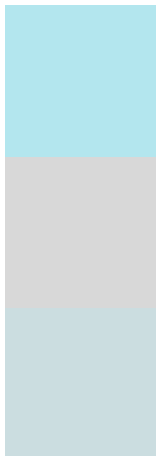
## Deuteranomaly

68.7619, 71.6238, 92.6387

## Tritanomaly

63.1708, 72.2736, 96.2087

# Monochromacy



## Original Color

62.3198, 72.3504, 91.5693

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

63.9396, 69.7912, 80.6221

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.3198, 72.3504, 91.5693 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(179, 230, 238)` looks like.

```
.text, #text, p{  
    color:rgb(179, 230, 238)  
}
```

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(179, 230, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 230, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 62.3198, 72.3504, 91.5693 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(179, 230, 238) }
```



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

```
.border{ border-color:rgb(179, 230, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 230, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 230, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 230, 238);  
box-shadow:4px 4px 4px 4px rgb(179, 230,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.3198, 72.3504, 91.5693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 230, 238) }
```

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

```
.background{ background-color: rgb(179,  
230, 238) }
```

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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