

Converting Colors

XYZ(62.7538, 75.4256, 93.8000)

Have a look what the booklet for
XYZ(62.7538, 75.4256, 93.8000)
contains.

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Color

**XYZ(62.8069, 75.5176,
93.7041)**

Conversions

Conversions Part 1

Format	Color
Hex	ABEDF0
RGB	171, 237, 240
RGB Percent	67%, 93%, 94%
CMY	0.3294, 0.0706, 0.0588
CMYK	0.29, 0.01, 0.00, 0.06
HSL	183°, 70%, 81%
HSV	183°, 29%, 94%
XYZ	62.8069, 75.5176, 93.7041
YIQ	217.6080, -40.2990, -13.0590

Conversions

Conversions Part 2

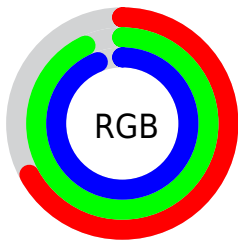
Format	Color
R _Y B	171, 205, 240
Decimal	11267568
CIE _{Lab}	89.63, -19.82, -8.11
CIE _{LCh}	90, 21.413, 202.252
Yxy	75.5176, 0.2707, 0.3255
Android (android.graphics.Color)	4289457648 (0xFFABEDF0)
YUV	217.6080, 11.0393, -40.8752
Hunter-Lab	86.9009, -23.0671, -3.1011

Details

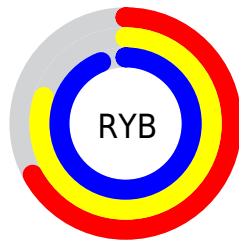
The XYZ color **62.8069, 75.5176, 93.7041** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.4227, 51.7380, 45.4367**, and the grayscale version is **66.3188, 69.7725, 75.9823**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **32.3781, 40.2214, 51.4044** is the 20% darker color. If you saturate the color by 10%, you get **57.7461, 72.4638, 93.3826**, and if you desaturate by 10%, it is **68.8231, 79.0703, 94.0740**.

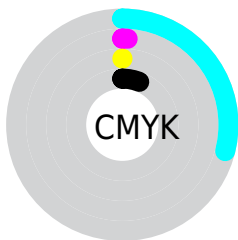
Distribution



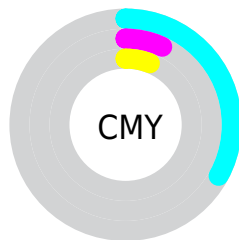
- Red (67%)
- Green (93%)
- Blue (94%)



- Red (67%)
- Yellow (80%)
- Blue (94%)



- Cyan (29%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)



- Cyan (33%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8069, 75.5176, 93.7041 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 62.8069, 75.5176, 93.7041 by changing the saturation by 10% instead.

62.8069, 75.5176,
93.7041

62.8069, 75.5176,
93.7041

424.5392,
479.6947, 560.8859

45.9431, 56.0370,
70.4659

107.9743,
127.0448, 154.4532

32.4053, 40.2326,
51.4273

137.0085,
159.8602, 192.8012

21.8283, 27.7200,
36.1697

170.8302,
197.8893, 237.0229

13.8467, 18.1147,
24.2746

209.8049,
241.5166, 287.5369

8.0951, 11.0323,
15.3233

254.2977,
291.1263, 344.7616

4.2082, 6.0886,
8.8975

304.6741,

1.8206, 2.8990,

347.1030, 409.1157

4.5785

361.2995,
409.8310, 481.0176

■ 0.5300, 1.0792,
1.9478

■ 0.0000, 0.0000,
0.5229

■ 62.8069, 75.5176,
93.7041

■ 62.8069, 75.5176,
93.7041

■ 57.7461, 72.4638,
93.3826

■ 68.8231, 79.0703,
94.0740

■ 53.5825, 69.8732,
93.1021


■ 75.8355, 83.1373,
94.4894


■ 50.2621, 67.7199,
92.8614


■ 83.8906, 87.7445,
94.9542


■ 47.7224, 65.9716,
92.6578


■ 88.4753, 90.5652,
95.2570


 45.8919, 64.5916,
92.4879


 88.7851, 91.1848,
95.3602


 44.6864, 63.5363,
92.3478


 89.0967, 91.8079,
95.4641

 43.9814, 62.7416,
92.2316

 89.4100, 92.4345,
95.5685

 43.9077, 62.6499,
92.2177

 89.7250, 93.0646,
95.6735

 90.0419, 93.6984,
95.7792

Harmonies

Analogous

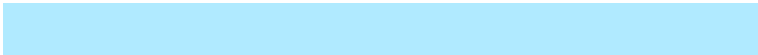
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.2035, 75.5176, 78.3774



62.8069, 75.5176, 93.7041



65.7546, 75.5176, 107.3552

Triad

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



62.8069, 75.5176, 93.7041



80.0857, 75.5176, 101.2889



73.1512, 75.5176, 56.7069

Complementary

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



62.8069, 75.5176, 93.7041



58.4227, 51.7380, 45.4367

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.



78.1568, 75.5176, 61.3599



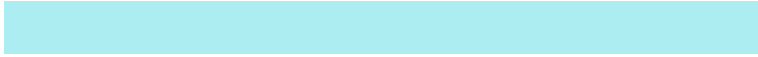
62.8069, 75.5176, 93.7041



82.2860, 75.5176, 86.1982

Square

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



62.8069, 75.5176, 93.7041



75.6805, 75.5176, 112.0941



81.5634, 75.5176, 71.7254



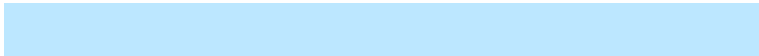
68.0105, 75.5176, 58.1990

Rectangle

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



62.8069, 75.5176, 93.7041



68.7343, 75.5176, 113.0551



81.5634, 75.5176, 71.7254



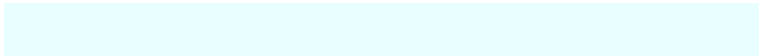
74.9086, 75.5176, 57.5821

Sweetspot

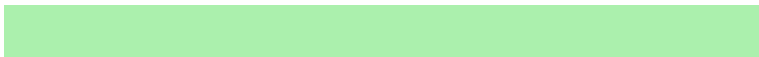
The Sweet Spot groups the original color and five complimentary colors.



62.8091, 75.5206, 93.7058



86.7878, 95.2698, 108.4224



55.5279, 74.0082, 51.0473



18.3101, 20.2382, 23.1913



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.



62.8091, 75.5206, 93.7058



68.8328, 84.7186, 107.3322



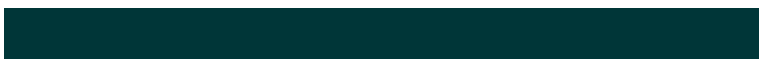
53.9273, 57.7571, 90.7452



16.1851, 17.8043, 20.3051



24.0618, 34.3479, 50.4895



2.0198, 2.8936, 4.2063

Inverse Universe

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



65.7859, 53.7671, 87.0351



72.7476, 56.3560, 98.5040



65.7943, 66.4813, 47.8939



16.4229, 16.0189, 19.7830



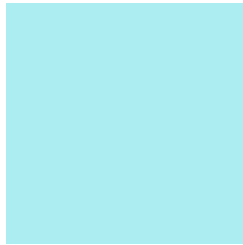
27.4709, 13.2608, 41.9919



2.2945, 1.1068, 3.5414

Previews

White Background



This preview shows how the XYZ color 62.8069, 75.5176, 93.7041 looks on a white background.

Color Contrast Check

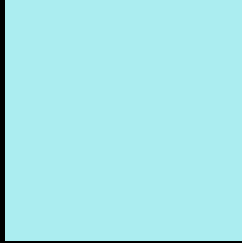
Large Text (above 18pt) WCAG AA × Fail

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 62.8069, 75.5176, 93.7041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

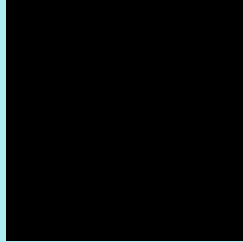
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.8069, 75.5176, 93.7041

Background



This preview shows how black text looks on a background with the XYZ color 62.8069, 75.5176, 93.7041.

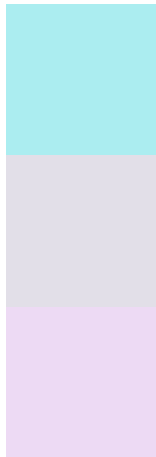


This preview shows how white text looks on a background with the XYZ color 62.8069, 75.5176,

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

62.8069, 75.5176, 93.7041

Protanopia

72.3172, 74.7703, 86.9645

Deuteranopia

76.3256, 74.6790, 95.9796



Tritanopia

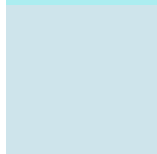
65.0533, 75.5711, 104.9239

Trichromacy



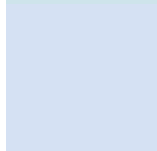
Original Color

62.8069, 75.5176, 93.7041



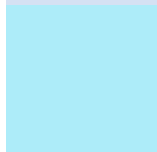
Protanomaly

68.1924, 74.6068, 89.4037



Deuteranomaly

70.5434, 74.4676, 95.4497



Tritanomaly

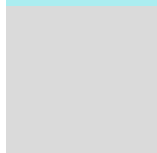
64.3279, 75.7147, 100.8465

Monochromacy



Original Color

62.8069, 75.5176, 93.7041



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

64.7401, 71.7589, 82.3902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8069, 75.5176, 93.7041 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(171, 237, 240)` looks like.

```
.text, #text, p{  
    color:rgb(171, 237, 240)  
}
```

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(171, 237, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 237, 240) }
```

Border

The CSS property to change the border of an element to XYZ 62.8069, 75.5176, 93.7041 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(171, 237, 240) }
```


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

```
.border{ border-color:rgb(171, 237, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 237, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 237, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 237, 240);  
box-shadow:4px 4px 4px 4px rgb(171, 237,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8069, 75.5176, 93.7041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 237, 240) }
```

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

```
.background{ background-color: rgb(171,  
237, 240) }
```

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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