

Converting Colors

XYZ(63.2252, 83.8961, 93.7502)

Have a look what the booklet for
XYZ(63.2252, 83.8961, 93.7502)
contains.

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Color

**XYZ(63.2252, 83.8961,
93.7502)**

Conversions

Conversions Part 1

Format	Color
Hex	93FFEE
RGB	147, 255, 238
RGB Percent	58%, 100%, 93%
CMY	0.4235, 0.0000, 0.0667
CMYK	0.42, 0.00, 0.07, 0.00
HSL	171°, 100%, 79%
HSV	171°, 42%, 100%
XYZ	63.2252, 83.8961, 93.7502
YIQ	220.7700, -58.9110, -28.1830

Conversions

Conversions Part 2

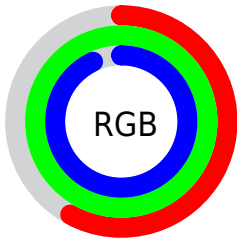
Format	Color
R _Y B	147, 206, 255
Decimal	9699310
CIE Lab	93.41, -35.11, -1.64
CIE LCh	93, 35.144, 182.673
Yxy	83.8961, 0.2625, 0.3483
Android (android.graphics.Color)	4287889390 (0xFF93FFEE)
YUV	220.7700, 8.4944, -64.6963
Hunter-Lab	91.5948, -37.0776, 3.4312

Details

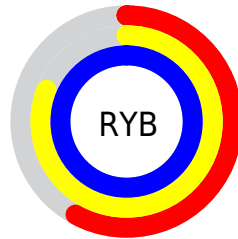
The XYZ color **63.2252, 83.8961, 93.7502** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.3753, 44.8090, 40.6951**, and the grayscale version is **68.5380, 72.1073, 78.5248**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **32.6621, 45.8403, 51.3826** is the 20% darker color. If you saturate the color by 10%, you get **58.5655, 81.5613, 90.4893**, and if you desaturate by 10%, it is **68.9134, 86.7595, 97.1307**.

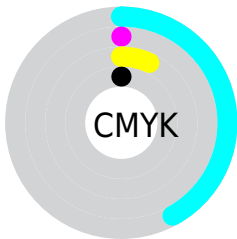
Distribution



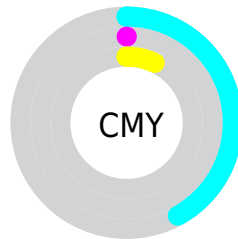
- Red (58%)
- Green (100%)
- Blue (93%)



- Red (58%)
- Yellow (81%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2252, 83.8961, 93.7502 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 63.2252, 83.8961, 93.7502 by changing the saturation by 10% instead.


 63.2252, 83.8961,
93.7502


 63.2252, 83.8961,
93.7502


426.0330,
507.9682, 561.0379

 46.2827, 62.9297,
70.5041

 108.5743,
138.8298, 154.5175

 32.6746, 45.7843,
51.4582


 137.7117,
173.5659, 192.8758

 22.0353, 32.0756,
36.1942


171.6448,
213.6606, 237.1085

 13.9996, 21.4193,
24.2933

210.7389,
259.4984, 287.6342

 8.2021, 13.4308,
15.3371

255.3595,
311.4637, 344.8715

 4.2774, 7.7259,
8.9071

305.8717,

 1.8602, 3.9201,

369.9408, 409.2388

4.5846

362.6411,
435.3142, 481.1548

■ 0.5536, 1.6289,
1.9513

■ 0.0000, 0.3770,
0.5251

■ 63.2252, 83.8961,
93.7502

■ 63.2252, 83.8961,
93.7502

■ 58.5655, 81.5613,
90.4893

■ 68.9134, 86.7595,
97.1307

■ 54.8636, 79.7187,
87.3400

■ 75.6887, 90.1819,
100.6298

■ 52.0444, 78.3298,
84.2997

■ 83.6089, 94.1929,
104.2519

■ 50.0201, 77.3491,
81.3639

■ 92.7266, 98.8198,
108.0000

■ 48.6847, 76.7221,
78.5273

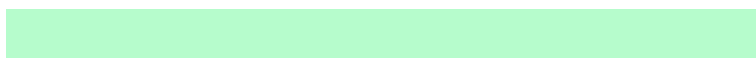
95.0500, 100.0000,
108.9000

■ 48.0083, 76.4193,
76.4186

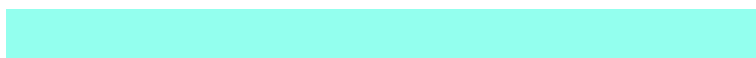
Harmonies

Analogous

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



64.9280, 83.8961, 69.8572



63.2252, 83.8961, 93.7502



65.6556, 83.8961, 121.7765

Triad

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



63.2252, 83.8961, 93.7502



89.7572, 83.8961, 141.4196



88.2081, 83.8961, 53.0829

Complementary

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



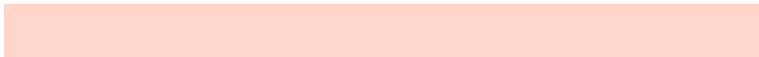
63.2252, 83.8961, 93.7502



58.3753, 44.8090, 40.6951

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.



95.7086, 83.8961, 66.4651



63.2252, 83.8961, 93.7502



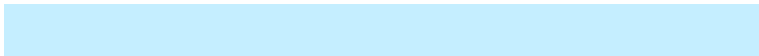
96.6506, 83.8961, 116.8494

Square

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



63.2252, 83.8961, 93.7502



80.5749, 83.8961, 152.4309



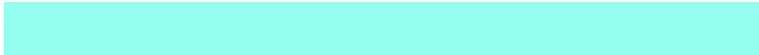
98.9077, 83.8961, 88.9884



78.9123, 83.8961, 49.2498

Rectangle

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



63.2252, 83.8961, 93.7502



69.4117, 83.8961, 138.2605



98.9077, 83.8961, 88.9884



91.0467, 83.8961, 56.4665

Sweetspot

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



63.2262, 83.8965, 93.7517



83.0595, 93.9144, 104.0132



56.5444, 81.6264, 40.3805



17.3860, 19.9028, 22.0901



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

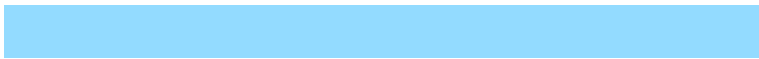
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.2262, 83.8965, 93.7517



59.1378, 81.8473, 90.9235



55.4151, 64.0870, 104.0571



18.4248, 20.4294, 22.5398



25.1315, 39.9492, 40.1732



2.4785, 3.9023, 4.0778

Inverse Universe

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



58.3753, 44.8090, 40.6951



53.7105, 37.9719, 31.4563



63.4407, 57.2347, 35.3090



18.1259, 18.0337, 19.2803



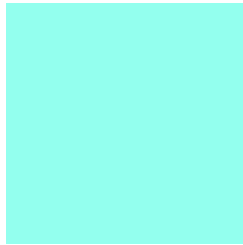
21.7844, 11.2031, 2.2494



2.1531, 1.1036, 0.3877

Previews

White Background



This preview shows how the XYZ color 63.2252, 83.8961, 93.7502 looks on a white background.

Color Contrast Check

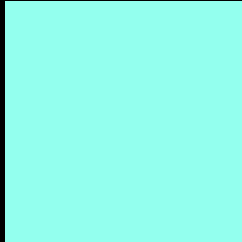
Large Text (above 18pt) WCAG AA × Fail

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 63.2252, 83.8961, 93.7502 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

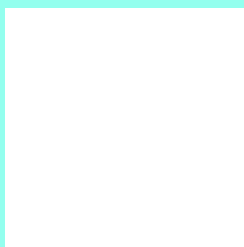
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2252, 83.8961, 93.7502

Background



This preview shows how black text looks on a background with the XYZ color 63.2252, 83.8961, 93.7502.



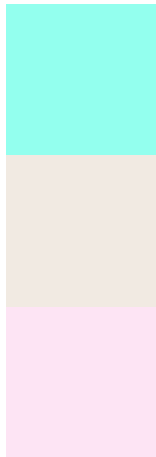
This preview shows how white text looks on a background with the XYZ color 63.2252, 83.8961,

93.7502.

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

63.2252, 83.8961, 93.7502

Protanopia

79.4259, 83.0374, 83.7931

Deuteranopia

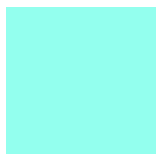
84.5805, 82.9011, 97.1316



Tritanopia

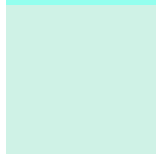
72.8655, 83.0569, 106.7989

Trichromacy



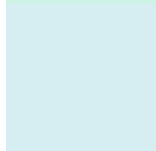
Original Color

63.2252, 83.8961, 93.7502



Protanomaly

71.7672, 82.4828, 87.0012



Deuteranomaly

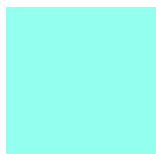
74.3331, 81.8560, 95.8864



Tritanomaly

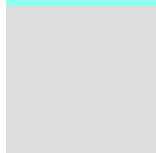
68.7197, 82.8261, 101.9876

Monochromacy



Original Color

63.2252, 83.8961, 93.7502



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.2522, 75.2932, 83.7669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2252, 83.8961, 93.7502 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(147, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(147, 255, 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(147, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 63.2252, 83.8961, 93.7502 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(147, 255, 238) }
```


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

```
.border{ border-color:rgb(147, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(147, 255,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2252, 83.8961, 93.7502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 255, 238) }
```

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

```
.background{ background-color: rgb(147,  
255, 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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