

Converting Colors

XYZ(52.1109, 67.6136, 98.8999)

Have a look what the booklet for
XYZ(52.1109, 67.6136, 98.8999)
contains.

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Color

**XYZ(52.2303, 67.8055,
99.1419)**

Conversions

Conversions Part 1

Format	Color
Hex	6EE8F8
RGB	110, 232, 248
RGB Percent	43%, 91%, 97%
CMY	0.5686, 0.0902, 0.0274
CMYK	0.56, 0.06, 0.00, 0.03
HSL	187°, 91%, 70%
HSV	187°, 56%, 97%
XYZ	52.2303, 67.8055, 99.1419
YIQ	197.3460, -77.8480, -20.8880

Conversions

Conversions Part 2

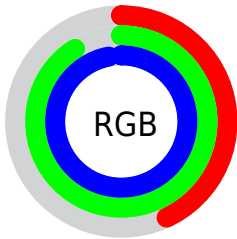
Format	Color
R_{YB}	110, 175, 248
Decimal	7268600
CIE _{Lab}	85.91, -29.72, -18.14
CIE _{LCh}	86, 34.822, 211.401
Yxy	67.8055, 0.2383, 0.3094
Android (android.graphics.Color)	4285458680 (0xFF6EE8F8)
YUV	197.3460, 24.9724, -76.6024
Hunter-Lab	82.3441, -30.8808, -13.7440

Details

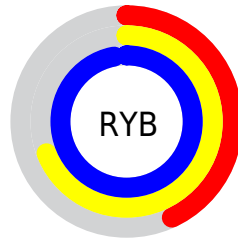
The XYZ color **52.2303, 67.8055, 99.1419** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.9883, 36.0057, 19.1217**, and the grayscale version is **53.1695, 55.9385, 60.9170**.

A 20% lighter version of the original color is **70.8233, 87.5107, 107.7662**, and **25.7329, 35.2138, 55.3098** is the 20% darker color. If you saturate the color by 10%, you get **48.7635, 64.8281, 98.7512**, and if you desaturate by 10%, it is **56.5778, 71.2595, 99.5807**.

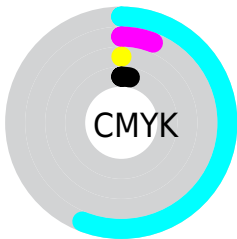
Distribution



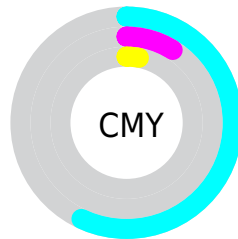
- Red (43%)
- Green (91%)
- Blue (97%)



- Red (43%)
- Yellow (69%)
- Blue (97%)



- Cyan (56%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)





- Cyan (57%)
- Magenta (9%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2303, 67.8055, 99.1419 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 52.2303, 67.8055, 99.1419 by changing the saturation by 10% instead.


 52.2303, 67.8055,
99.1419


 52.2303, 67.8055,
99.1419

385.6344,
452.8066, 578.6612

 37.4137, 49.7395,
74.9712


 92.6430, 116.0739,
162.0190

 25.7031, 35.2065,
55.0877


 118.9698,
147.0450, 201.5626

 16.7332, 23.8220,
39.0729


 149.8641,
183.0867, 247.0674

 10.1386, 15.2016,
26.5082

185.6911,
224.5833, 298.9522

 5.5539, 8.9610,
16.9750

226.8163,
271.9192, 357.6355

 2.6138, 4.7158,
10.0549

273.6050,

 0.9530, 2.0815,

325.4787, 423.5357

5.3293

326.4226,
385.6464, 497.0714

■ 0.0000, 0.6542,
2.3796

■ 0.0000, 0.0000,
0.7753

■ 52.2303, 67.8055,
99.1419

■ 52.2303, 67.8055,
99.1419

■ 48.7635, 64.8281,
98.7512

■ 56.5778, 71.2595,
99.5807

■ 46.0969, 62.2813,
98.4001


■ 61.8652, 75.2164,
100.0658


■ 44.1462, 60.1231,
98.0864


■ 68.1540, 79.7093,
100.6015


■ 42.8044, 58.2981,
97.8048

■ 75.4984, 84.7663,
101.1905

 42.3404, 57.5711,
97.6889

 83.9490, 90.4136,
101.8352

 92.1379, 95.9461,
102.4715

 93.0346, 97.7396,
102.7704

 93.9435, 99.5574,
103.0733

Harmonies

Analogous

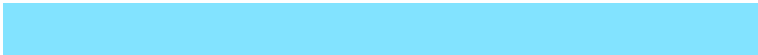
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.3071, 67.8055, 74.9073



52.2303, 67.8055, 99.1419



57.3855, 67.8055, 119.4628

Triad

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



52.2303, 67.8055, 99.1419



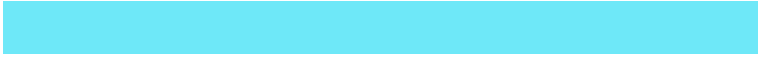
78.8622, 67.8055, 96.8961



64.0730, 67.8055, 38.0669

Complementary

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



52.2303, 67.8055, 99.1419



48.9883, 36.0057, 19.1217

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.



72.0655, 67.8055, 41.6064



52.2303, 67.8055, 99.1419



81.0156, 67.8055, 72.7604

Square

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



52.2303, 67.8055, 99.1419



72.7671, 67.8055, 117.9895



78.4342, 67.8055, 53.2386



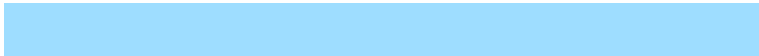
56.7867, 67.8055, 42.3431

Rectangle

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



52.2303, 67.8055, 99.1419



62.1826, 67.8055, 126.2902



78.4342, 67.8055, 53.2386



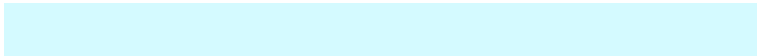
66.7659, 67.8055, 38.3766

Sweetspot

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



52.2324, 67.8081, 99.1435



79.2782, 89.5204, 107.7085



43.6250, 71.9015, 30.5838



16.6189, 18.9221, 23.0264



0.0000, 0.0000, 0.0000



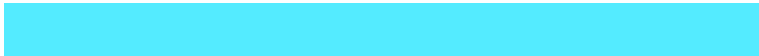
20.3446, 21.4041, 23.3091

Same Dimension

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



52.2324, 67.8081, 99.1435



51.4832, 68.6390, 105.1429



36.8669, 37.0771, 94.0217



17.5839, 19.2447, 22.1731



22.9392, 31.2340, 52.7933



2.1718, 2.9872, 4.9053

Inverse Universe

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



58.8546, 36.9365, 80.3740



59.4453, 33.6333, 82.1023



60.5534, 59.1359, 22.9767



17.9013, 17.4879, 21.3359



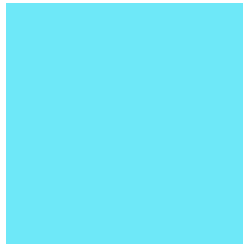
27.8707, 13.5640, 37.6229



2.6051, 1.2658, 3.6100

Previews

White Background



This preview shows how the XYZ color 52.2303, 67.8055, 99.1419 looks on a white background.

Color Contrast Check

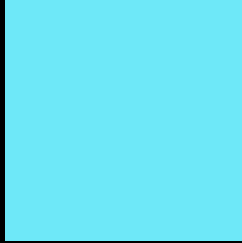
Large Text (above 18pt) WCAG AA × Fail

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 52.2303, 67.8055, 99.1419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

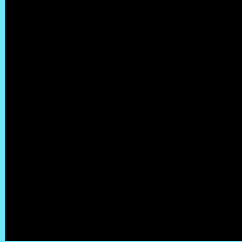
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2303, 67.8055, 99.1419

Background



This preview shows how black text looks on a background with the XYZ color 52.2303, 67.8055, 99.1419.

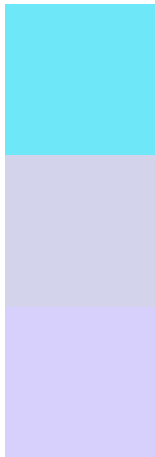


This preview shows how white text looks on a background with the XYZ color 52.2303, 67.8055,

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

52.2303, 67.8055, 99.1419

Protanopia

65.4028, 66.9340, 88.0697

Deuteranopia

68.3098, 66.6507, 102.1931



Tritanopia

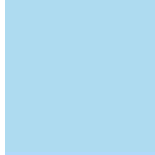
52.6675, 67.9949, 100.7909

Trichromacy



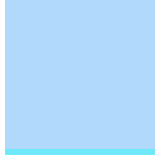
Original Color

52.2303, 67.8055, 99.1419



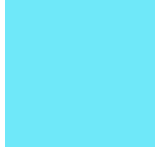
Protanomaly

58.5153, 65.9530, 92.0842



Deuteranomaly

60.3569, 65.9379, 100.8129



Tritanomaly

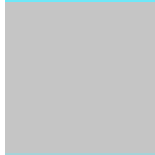
52.5110, 67.9323, 99.9672

Monochromacy



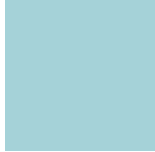
Original Color

52.2303, 67.8055, 99.1419



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.9583, 59.0504, 73.6778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2303, 67.8055, 99.1419 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(110, 232, 248)` looks like.

```
.text, #text, p{  
    color:rgb(110, 232, 248)  
}
```

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(110, 232, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 232, 248) }
```

Border

The CSS property to change the border of an element to XYZ 52.2303, 67.8055, 99.1419 is called "border". The border property can be set on classes, ids or directly on the HTML element.

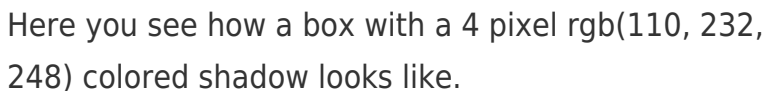
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 232, 248) }
```


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

```
.border{ border-color:rgb(110, 232, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 232, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 232, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 232, 248); box-shadow:4px 4px 4px 4px rgb(110, 232, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2303, 67.8055, 99.1419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 232, 248) }
```

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

```
.background{ background-color: rgb(110,  
232, 248) }
```

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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