

Converting Colors

XYZ(52.2329, 55.1828, 88.9532)

Have a look what the booklet for
XYZ(52.2329, 55.1828, 88.9532)
contains.

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Color

**XYZ(52.2043, 55.1073,
88.7742)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC6EE
RGB	170, 198, 238
RGB Percent	67%, 78%, 93%
CMY	0.3333, 0.2235, 0.0667
CMYK	0.29, 0.17, 0.00, 0.07
HSL	215°, 67%, 80%
HSV	215°, 29%, 93%
XYZ	52.2043, 55.1073, 88.7742
YIQ	194.1880, -29.5280, 6.5040

Conversions

Conversions Part 2

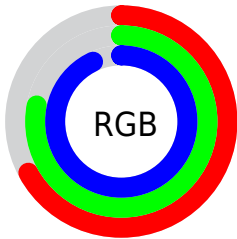
Format	Color
R_{YB}	170, 190, 238
Decimal	11192046
CIE _{Lab}	79.10, -0.45, -22.87
CIE _{LCh}	79, 22.875, 268.865
Yxy	55.1073, 0.2662, 0.2810
Android (android.graphics.Color)	4289382126 (0xFFAAC6EE)
YUV	194.1880, 21.5993, -21.2129
Hunter-Lab	74.2343, -4.3822, -18.9388

Details

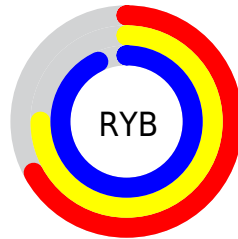
The XYZ color **52.2043, 55.1073, 88.7742** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.5630, 67.1732, 47.5420**, and the grayscale version is **51.2796, 53.9501, 58.7516**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **25.6192, 27.0369, 48.1243** is the 20% darker color. If you saturate the color by 10%, you get **44.4644, 46.5855, 87.5382**, and if you desaturate by 10%, it is **61.1748, 64.7051, 90.1549**.

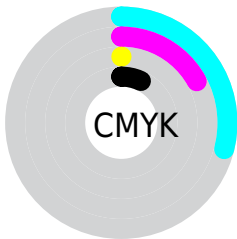
Distribution



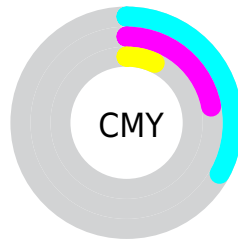
- Red (67%)
- Green (78%)
- Blue (93%)



- Red (67%)
- Yellow (75%)
- Blue (93%)



- Cyan (29%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (33%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2043, 55.1073, 88.7742 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 52.2043, 55.1073, 88.7742 by changing the saturation by 10% instead.

■ 52.2043, 55.1073,
88.7742

■ 52.2043, 55.1073,
88.7742

385.5358,
406.3185, 544.5021

■ 37.3929, 39.4876,
66.3965

■ 92.6049, 97.6981,
147.5551

■ 25.6869, 27.1393,
48.1358

118.9248,
125.4381, 184.7954

■ 16.7210, 17.6779,
33.5737

149.8116,
157.9870, 227.8269

■ 10.1298, 10.7190,
22.2916

185.6306,
195.7291, 277.0682

■ 5.5481, 5.8782,
13.8709

226.7471,
239.0490, 332.9378

■ 2.6103, 2.7711,
7.8932

273.5266,

■ 0.9512, 1.0135,

288.3309, 395.8543

3.9399

326.3344,
343.9593, 466.2363

■ 0.0000, 0.0000,
1.5924

■ 0.0000, 0.0000,
0.2854

■ 52.2043, 55.1073,
88.7742

■ 52.2043, 55.1073,
88.7742

■ 44.4644, 46.5855,
87.5382

■ 61.1748, 64.7051,
90.1549

■ 37.8917, 39.0914,
86.4381

■ 71.4250, 75.4118,
91.6813

■ 32.4245, 32.5822,
85.4699

■ 83.0072, 87.2667,
93.3590

■ 27.9929, 27.0087,
84.6277

■ 92.1153, 98.3181,
95.0121

■ 24.5181, 22.3170,
83.9052

■ 92.4328, 98.9531,
95.1180

■ 21.9082, 18.4450,
83.2954

■ 20.0332, 15.3108,
82.7892

■ 19.8010, 14.9096,
82.7240

Harmonies

Analogous

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



47.9736, 55.1073, 84.1659



52.2043, 55.1073, 88.7742



56.7258, 55.1073, 84.7908

Triad

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



52.2043, 55.1073, 88.7742



60.4382, 55.1073, 48.6779



45.2253, 55.1073, 47.9322

Complementary

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



52.2043, 55.1073, 88.7742



65.5630, 67.1732, 47.5420

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.



48.2580, 55.1073, 40.5878



52.2043, 55.1073, 88.7742



57.0437, 55.1073, 40.9724

Square

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



52.2043, 55.1073, 88.7742



61.6427, 55.1073, 60.5014



52.5518, 55.1073, 38.2345



44.0912, 55.1073, 59.5063

Rectangle

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



52.2043, 55.1073, 88.7742



59.2632, 55.1073, 78.0845



52.5518, 55.1073, 38.2345



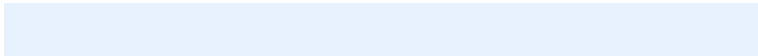
46.0475, 55.1073, 44.9525

Sweetspot

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



52.2060, 55.1095, 88.7755



82.9486, 87.5915, 107.1427



58.7448, 74.3328, 72.0081



17.3614, 18.3410, 22.8751



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.



52.2060, 55.1095, 88.7755



55.8557, 58.7644, 103.0065



47.6380, 44.1155, 86.8942



15.4319, 16.2978, 20.0541



11.1671, 8.5584, 46.1912



1.0247, 0.9033, 3.8746

Inverse Universe

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



59.8291, 51.0054, 60.1201



66.1974, 53.7359, 64.0110



71.2184, 81.2640, 49.9638



16.0427, 15.8668, 17.7809



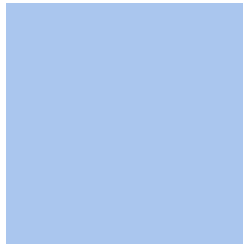
20.9623, 10.6573, 7.7178



1.7922, 0.9059, 0.8963

Previews

White Background



This preview shows how the XYZ color 52.2043, 55.1073, 88.7742 looks on a white background.

Color Contrast Check

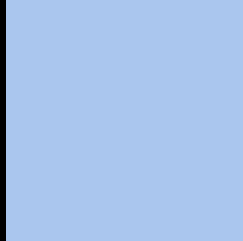
Large Text (above 18pt) WCAG AA × Fail

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 52.2043, 55.1073, 88.7742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

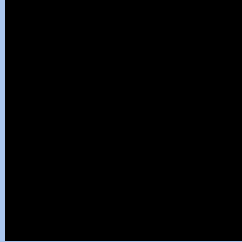
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

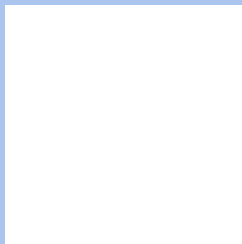
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.2043, 55.1073, 88.7742

Background



This preview shows how black text looks on a background with the XYZ color 52.2043, 55.1073, 88.7742.



This preview shows how white text looks on a background with the XYZ color 52.2043, 55.1073,

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

52.2043, 55.1073, 88.7742

Protanopia

54.7807, 55.1465, 86.3544

Deuteranopia

55.9490, 54.7001, 89.2707



Tritanopia

49.5013, 55.4100, 74.4159

Trichromacy



Original Color

52.2043, 55.1073, 88.7742

Protanomaly

53.7115, 54.9101, 87.1247

Deuteranomaly

54.6389, 55.0059, 89.3988

Tritanomaly

50.4136, 55.4250, 79.2752

Monochromacy



Original Color

52.2043, 55.1073, 88.7742

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

51.1555, 53.9976, 68.6992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2043, 55.1073, 88.7742 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(170, 198, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 198, 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(170, 198, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 198, 238) }
```

Border

The CSS property to change the border of an element to XYZ 52.2043, 55.1073, 88.7742 is called "border". The border property can be set on classes, ids or directly on the HTML element.

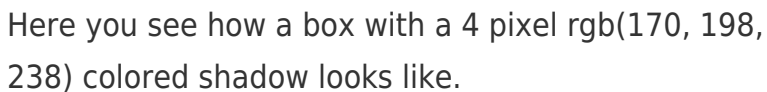
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 198, 238) }
```


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

```
.border{ border-color:rgb(170, 198, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 198, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 198, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 198, 238);  
box-shadow:4px 4px 4px 4px rgb(170, 198,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2043, 55.1073, 88.7742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 198, 238) }
```

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

```
.background{ background-color: rgb(170,  
198, 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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