

Converting Colors

XYZ(53.8739, 56.6813, 90.0025)

Have a look what the booklet for
XYZ(53.8739, 56.6813, 90.0025)
contains.

XYZ(53.6898, 56.5392, 89.7448)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.6898, 56.5392,
89.7448)**

Conversions

Conversions Part 1

Format	Color
Hex	AEC8EF
RGB	174, 200, 239
RGB Percent	68%, 78%, 94%
CMY	0.3176, 0.2157, 0.0627
CMYK	0.27, 0.16, 0.00, 0.06
HSL	216°, 67%, 81%
HSV	216°, 27%, 94%
XYZ	53.6898, 56.5392, 89.7448
YIQ	196.6720, -28.0150, 6.6170

Conversions

Conversions Part 2

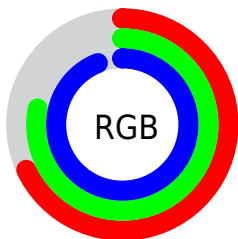
Format	Color
RYB	174, 193, 239
Decimal	11454703
CIELab	79.92, -0.13, -22.14
CIELCh	80, 22.141, 269.675
Yxy	56.5392, 0.2685, 0.2827
Android (android.graphics.Color)	4289644783 (0xFFAEC8EF)
YUV	196.6720, 20.8677, -19.8833
Hunter-Lab	75.1926, -4.1325, -18.1298

Details

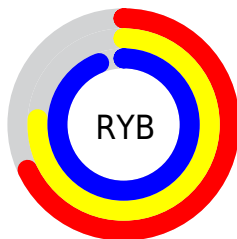
The XYZ color **53.6898, 56.5392, 89.7448** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.0316, 68.9957, 49.8305**, and the grayscale version is **52.7650, 55.5129, 60.4535**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **26.5719, 27.9697, 48.7980** is the 20% darker color. If you saturate the color by 10%, you get **45.6651, 47.7025, 88.4630**, and if you desaturate by 10%, it is **62.9769, 66.4918, 91.1773**.

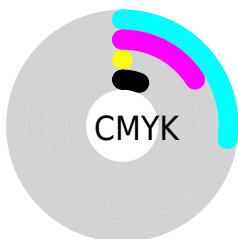
Distribution



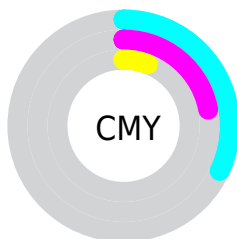
- Red (68%)
- Green (78%)
- Blue (94%)



- Red (68%)
- Yellow (76%)
- Blue (94%)



- Cyan (27%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)



- Cyan (32%)
- Magenta (22%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.6898, 56.5392, 89.7448 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 53.6898, 56.5392, 89.7448 by changing the saturation by 10% instead.

■ 53.6898, 56.5392,
89.7448

■ 53.6898, 56.5392,
89.7448

391.1437,
411.7204, 547.7490

■ 38.5834, 40.6354,
67.1965

■ 94.7782, 99.7925,
148.9163

■ 26.6151, 28.0343,
48.7817

121.4909,
127.9108, 186.3765

■ 17.4194, 18.3515,
34.0820

152.8031,
160.8694, 229.6445

■ 10.6311, 11.2027,
22.6787

189.0801,
199.0526, 279.1387

■ 5.8848, 6.2033,
14.1534

230.6873,
242.8450, 335.2777

■ 2.8152, 2.9691,
8.0875

277.9901,

■ 1.0568, 1.1156,

292.6308, 398.4801

4.0624

331.3538,
348.7944, 469.1643

■ 0.0000, 0.0000,
1.6596

■ 0.0000, 0.0000,
0.3328

■ 53.6898, 56.5392,
89.7448

■ 53.6898, 56.5392,
89.7448

■ 45.6651, 47.7025,
88.4630

■ 62.9769, 66.4918,
91.1773

■ 38.8387, 39.9319,
87.3230

■ 73.5758, 77.5939,
92.7616

■ 33.1485, 33.1836,
86.3203

■ 85.5395, 89.8858,
94.5036

■ 28.5245, 27.4076,
85.4492

■ 92.5802, 99.0121,
95.8941

■ 24.8878, 22.5488,
84.7030

■ 22.1470, 18.5445,
84.0745

■ 20.1856, 15.3184,
83.5552

■ 19.7272, 14.5262,
83.4265

Harmonies

Analogous

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



49.4965, 56.5392, 85.4655



53.6898, 56.5392, 89.7448



58.1274, 56.5392, 85.6404

Triad

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



53.6898, 56.5392, 89.7448



61.5945, 56.5392, 50.1139



46.6258, 56.5392, 49.9022

Complementary

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



53.6898, 56.5392, 89.7448



67.0316, 68.9957, 49.8305

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.



49.5769, 56.5392, 42.4807



53.6898, 56.5392, 89.7448



58.2169, 56.5392, 42.5904

Square

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



53.6898, 56.5392, 89.7448



62.8428, 56.5392, 61.7021



53.7879, 56.5392, 39.9987



45.5595, 56.5392, 61.4213

Rectangle

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



53.6898, 56.5392, 89.7448



60.5932, 56.5392, 78.9886



53.7879, 56.5392, 39.9987



47.4219, 56.5392, 46.9071

Sweetspot

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



53.6916, 56.5415, 89.7461



84.1580, 88.7721, 107.3069



60.1965, 75.4821, 73.6304



17.5993, 18.5703, 22.9068



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.



53.6916, 56.5415, 89.7461



56.5267, 59.2907, 103.0727



49.4043, 46.1391, 87.9642



15.4162, 16.2665, 20.0488



11.0217, 8.2677, 46.1428



1.0117, 0.8773, 3.8702

Inverse Universe

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



61.1594, 52.7945, 61.6129



66.7352, 54.7134, 64.4928



72.3027, 82.2121, 52.1037



16.0348, 15.8636, 17.7393



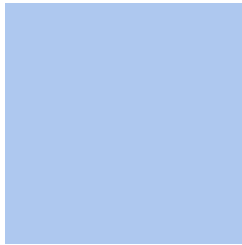
20.8889, 10.6280, 7.3313



1.7856, 0.9033, 0.8618

Previews

White Background



This preview shows how the XYZ color 53.6898, 56.5392, 89.7448 looks on a white background.

Color Contrast Check

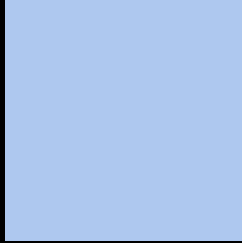
Large Text (above 18pt) WCAG AA × Fail

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 53.6898, 56.5392, 89.7448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

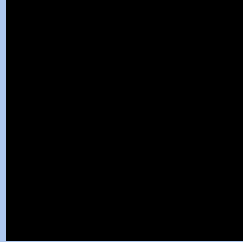
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

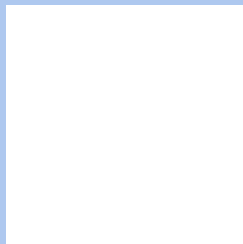
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.6898, 56.5392, 89.7448

Background



This preview shows how black text looks on a background with the XYZ color 53.6898, 56.5392, 89.7448.



This preview shows how white text looks on a background with the XYZ color 53.6898, 56.5392,

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

53.6898, 56.5392, 89.7448

Protanopia

55.8665, 56.3548, 87.2900

Deuteranopia

57.5631, 56.1670, 90.2455



Tritanopia

50.8518, 56.4252, 75.9211

Trichromacy



Original Color

53.6898, 56.5392, 89.7448

Protanomaly

55.0195, 56.2373, 88.0758

Deuteranomaly

56.2071, 56.4625, 90.3740

Tritanomaly

51.7802, 56.4450, 80.8389

Monochromacy



Original Color

53.6898, 56.5392, 89.7448

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

53.0640, 55.9604, 70.2920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6898, 56.5392, 89.7448 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(174, 200, 239)` looks like.

```
.text, #text, p{  
    color:rgb(174, 200, 239)  
}
```

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(174, 200, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 200, 239) }
```

Border

The CSS property to change the border of an element to XYZ 53.6898, 56.5392, 89.7448 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(174, 200, 239) }
```


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

```
.border{ border-color:rgb(174, 200, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 200, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 200, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 200, 239); box-shadow:4px 4px 4px 4px rgb(174, 200, 239) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6898, 56.5392, 89.7448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 200, 239) }
```

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

```
.background{ background-color: rgb(174,  
200, 239) }
```

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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