

Converting Colors

XYZ(52.6835, 56.6814, 91.6276)

Have a look what the booklet for
XYZ(52.6835, 56.6814, 91.6276)
contains.

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Color

**XYZ(52.7236, 56.6989,
91.3842)**

Conversions

Conversions Part 1

Format	Color
Hex	A6CAF1
RGB	166, 202, 241
RGB Percent	65%, 79%, 95%
CMY	0.3490, 0.2078, 0.0549
CMYK	0.31, 0.16, 0.00, 0.05
HSL	211°, 73%, 80%
HSV	211°, 31%, 95%
XYZ	52.7236, 56.6989, 91.3842
YIQ	195.6820, -33.9750, 4.4970

Conversions

Conversions Part 2

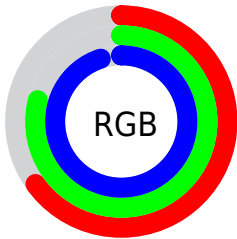
Format	Color
R_{YB}	166, 190, 241
Decimal	10930929
CIE _{Lab}	80.01, -3.01, -23.12
CIE _{LCh}	80, 23.315, 262.585
Yxy	56.6989, 0.2626, 0.2824
Android (android.graphics.Color)	4289121009 (0xFFA6CAF1)
YUV	195.6820, 22.3418, -26.0311
Hunter-Lab	75.2987, -6.7882, -19.2466

Details

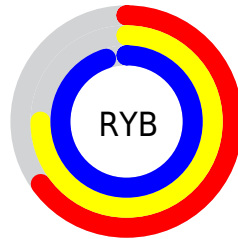
The XYZ color **52.7236, 56.6989, 91.3842** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.9908, 65.1174, 45.2216**, and the grayscale version is **52.1655, 54.8821, 59.7666**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **26.0290, 28.1273, 49.9562** is the 20% darker color. If you saturate the color by 10%, you get **45.3154, 48.6918, 90.2301**, and if you desaturate by 10%, it is **61.3208, 65.6760, 92.6648**.

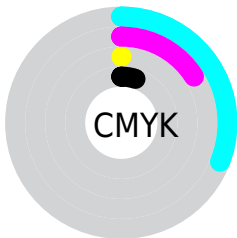
Distribution



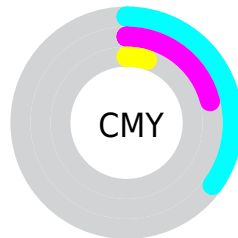
- Red (65%)
- Green (79%)
- Blue (95%)



- Red (65%)
- Yellow (75%)
- Blue (95%)



- Cyan (31%)
- Magenta (16%)
- Yellow (0%)
- Black (5%)



- Cyan (35%)
- Magenta (21%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7236, 56.6989, 91.3842 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 52.7236, 56.6989, 91.3842 by changing the saturation by 10% instead.

■ 52.7236, 56.6989,
91.3842

■ 52.7236, 56.6989,
91.3842

387.5020,
412.3201, 553.2092

■ 37.8088, 40.7635,
68.5491

■ 93.3654, 100.0257,
151.2119

■ 26.0108, 28.1344,
49.8751

■ 119.8232,
128.1860, 189.0416

■ 16.9645, 18.4270,
34.9437

150.8592,
161.1900, 232.7065

■ 10.3043, 11.2570,
23.3363

186.8390,
199.4221, 282.6253

■ 5.6650, 6.2399,
14.6344

228.1278,
243.2668, 339.2164

■ 2.6812, 2.9915,
8.4194

275.0910,

■ 0.9875, 1.1273,

293.1084, 402.8984

4.2729

328.0939,
349.3314, 474.0898

■ 0.0000, 0.0011,
1.7762

■ 0.0000, 0.0000,
0.4122

■ 52.7236, 56.6989,
91.3842

■ 52.7236, 56.6989,
91.3842

■ 45.3154, 48.6918,
90.2301

■ 61.3208, 65.6760,
92.6648

■ 39.0323, 41.6095,
89.1942

■ 71.1558, 75.6526,
94.0721

■ 33.8118, 35.4125,
88.2732

■ 82.2814, 86.6648,
95.6113

■ 29.5829, 30.0550,
87.4620

■ 91.9687, 97.3136,
97.1562

■ 26.2646, 25.4858,
86.7550

■ 92.8774, 99.1309,
97.4590

■ 23.7606, 21.6455,
86.1457

■ 22.0865, 18.7692,
85.6788

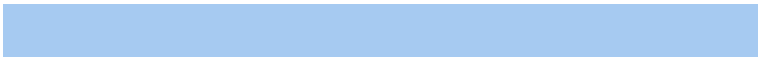
Harmonies

Analogous

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



48.5437, 56.6989, 84.8584



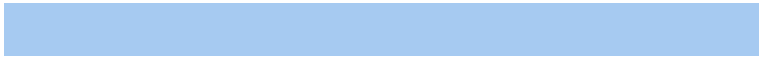
52.7236, 56.6989, 91.3842



57.4649, 56.6989, 89.0888

Triad

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



52.7236, 56.6989, 91.3842



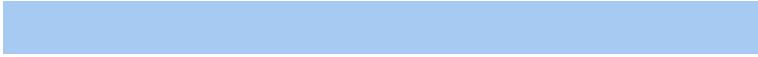
62.7456, 56.6989, 52.2494



46.9751, 56.6989, 47.2037

Complementary

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



52.7236, 56.6989, 91.3842



64.9908, 65.1174, 45.2216

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.



50.4677, 56.6989, 40.6466



52.7236, 56.6989, 91.3842



59.6164, 56.6989, 43.2481

Square

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



52.7236, 56.6989, 91.3842



63.4368, 56.6989, 65.1637



55.0747, 56.6989, 39.3125



45.3536, 56.6989, 58.4297

Rectangle

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



52.7236, 56.6989, 91.3842



60.2920, 56.6989, 83.0024



55.0747, 56.6989, 39.3125



47.9591, 56.6989, 44.4520

Sweetspot

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



52.7254, 56.7011, 91.3855



83.4154, 88.5251, 107.2983



58.1718, 75.4145, 69.0914



17.4762, 18.5705, 22.9133



0.0000, 0.0000, 0.0000



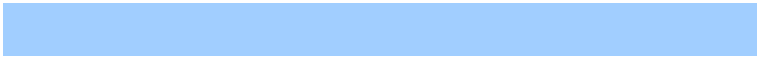
20.3446, 21.4041, 23.3091

Same Dimension

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



52.7254, 56.7011, 91.3855



54.7343, 58.8743, 103.0868



45.5042, 41.8678, 88.9030



15.5233, 16.4807, 20.0845



12.1104, 10.4450, 46.5057



1.1066, 1.0671, 3.9019

Inverse Universe

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



60.5740, 50.2391, 62.3840



65.0570, 51.0809, 64.7848



74.1897, 84.1464, 48.4097



16.0888, 15.8852, 18.0240



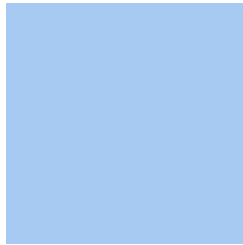
21.4384, 10.8478, 10.2250



1.8335, 0.9224, 1.1140

Previews

White Background



This preview shows how the XYZ color 52.7236, 56.6989, 91.3842 looks on a white background.

Color Contrast Check

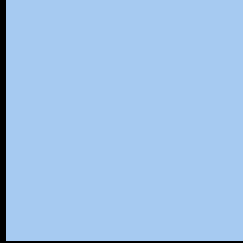
Large Text (above 18pt) WCAG AA × Fail

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 52.7236, 56.6989, 91.3842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

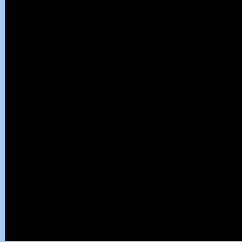
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

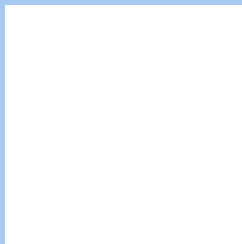
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.7236, 56.6989, 91.3842

Background



This preview shows how black text looks on a background with the XYZ color 52.7236, 56.6989, 91.3842.



This preview shows how white text looks on a background with the XYZ color 52.7236, 56.6989,

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

52.7236, 56.6989, 91.3842

Protanopia

56.0123, 56.4131, 88.0574

Deuteranopia

57.9751, 56.6567, 92.6742



Tritanopia

49.9164, 56.6180, 77.4047

Trichromacy



Original Color

52.7236, 56.6989, 91.3842

Protanomaly

54.6828, 56.3850, 88.8902

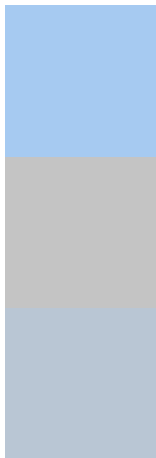
Deuteranomaly

55.7604, 56.5337, 91.9776

Tritanomaly

50.8400, 56.6294, 82.3798

Monochromacy



Original Color

52.7236, 56.6989, 91.3842

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

52.0853, 55.4559, 70.2462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7236, 56.6989, 91.3842 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(166, 202, 241)` looks like.

```
.text, #text, p{  
    color:rgb(166, 202, 241)  
}
```

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(166, 202, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 202, 241) }
```

Border

The CSS property to change the border of an element to XYZ 52.7236, 56.6989, 91.3842 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(166, 202, 241) }
```


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

```
.border{ border-color:rgb(166, 202, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 202, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 202, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 202, 241);  
box-shadow:4px 4px 4px 4px rgb(166, 202,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7236, 56.6989, 91.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 202, 241) }
```

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

```
.background{ background-color: rgb(166,  
202, 241) }
```

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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