

Converting Colors

XYZ(50.1698, 55.0874, 79.2172)

Have a look what the booklet for
XYZ(50.1698, 55.0874, 79.2172)
contains.

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Color

**XYZ(50.1812, 54.9603,
79.1977)**

Conversions

Conversions Part 1

Format	Color
Hex	A7C8E1
RGB	167, 200, 225
RGB Percent	65%, 78%, 88%
CMY	0.3451, 0.2157, 0.1176
CMYK	0.26, 0.11, 0.00, 0.12
HSL	206°, 49%, 77%
HSV	206°, 26%, 88%
XYZ	50.1812, 54.9603, 79.1977
YIQ	192.9830, -27.6930, 0.7790

Conversions

Conversions Part 2

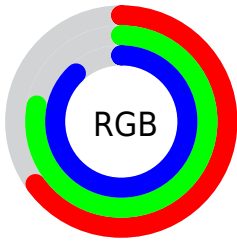
Format	Color
R_{YB}	167, 188, 225
Decimal	10995937
CIE _{Lab}	79.02, -5.45, -16.04
CIE _{LCh}	79, 16.940, 251.241
Yxy	54.9603, 0.2722, 0.2981
Android (android.graphics.Color)	4289186017 (0xFFA7C8E1)
YUV	192.9830, 15.7844, -22.7871
Hunter-Lab	74.1352, -8.9122, -11.4441

Details

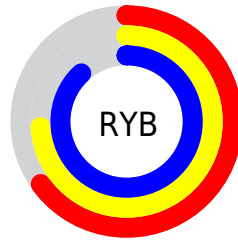
The XYZ color **50.1812, 54.9603, 79.1977** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.8766, 56.4970, 44.4677**, and the grayscale version is **50.6018, 53.2370, 57.9751**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **24.4740, 27.0375, 41.9590** is the 20% darker color. If you saturate the color by 10%, you get **43.6603, 48.3708, 78.2704**, and if you desaturate by 10%, it is **57.6749, 62.2655, 80.2137**.

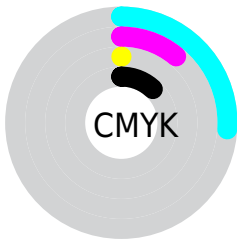
Distribution



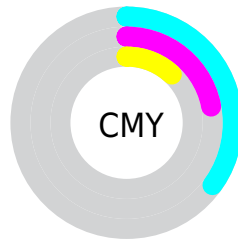
- Red (65%)
- Green (78%)
- Blue (88%)



- Red (65%)
- Yellow (74%)
- Blue (88%)



- Cyan (26%)
- Magenta (11%)
- Yellow (0%)
- Black (12%)



- Cyan (35%)
- Magenta (22%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1812, 54.9603, 79.1977 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 50.1812, 54.9603, 79.1977 by changing the saturation by 10% instead.

■ 50.1812, 54.9603,
79.1977

■ 50.1812, 54.9603,
79.1977

377.8144,
405.7614, 511.8602

■ 35.7758, 39.3699,
58.5361

■ 89.6335, 97.4828,
134.0383

■ 24.4304, 27.0476,
41.8222

■ 115.4111,
125.1837, 169.0544

■ 15.7796, 17.6090,
28.6376

145.7102,
157.6903, 209.6925

■ 9.4582, 10.6696,
18.5636

180.8960,
195.3868, 256.3709

■ 5.1007, 5.8452,
11.1818

221.3340,
238.6579, 309.5084

■ 2.3419, 2.7512,
6.0735

267.3895,

■ 0.8160, 1.0032,

287.8877, 369.5234

2.8203

319.4278,
343.4608, 436.8345

■ 0.0000, 0.0000,
1.0036

■ 0.0000, 0.0000,
0.0000

■ 50.1812, 54.9603,
79.1977

■ 50.1812, 54.9603,
79.1977

■ 43.6603, 48.3708,
78.2704

■ 57.6749, 62.2655,
80.2137

■ 38.0616, 42.4631,
77.4252

■ 66.1787, 70.3052,
81.3173

■ 33.3376, 37.2098,
76.6602

■ 75.7338, 79.1060,
82.5124

■ 29.4338, 32.5789,
75.9721

■ 85.6370, 88.3087,
83.7668

■ 26.2891, 28.5345,
75.3572

■ 88.5494, 94.1336,
84.7376

■ 23.8326, 25.0357,
74.8113

■ 90.5908, 98.2163,
85.4181

■ 21.9775, 22.0332,
74.3295

■ 21.3134, 20.8816,
74.1423

Harmonies

Analogous

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



47.5140, 54.9603, 72.9337



50.1812, 54.9603, 79.1977



53.5119, 54.9603, 79.9595

Triad

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



50.1812, 54.9603, 79.1977



58.8572, 54.9603, 56.2960



48.0804, 54.9603, 46.9406

Complementary

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



50.1812, 54.9603, 79.1977



56.8766, 56.4970, 44.4677

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.



50.9847, 54.9603, 43.4187



50.1812, 54.9603, 79.1977



57.2654, 54.9603, 48.4197

Square

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



50.1812, 54.9603, 79.1977



58.6194, 54.9603, 66.0131



54.3505, 54.9603, 43.9294



46.3376, 54.9603, 54.0688

Rectangle

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



50.1812, 54.9603, 79.1977



55.6726, 54.9603, 77.1592



54.3505, 54.9603, 43.9294



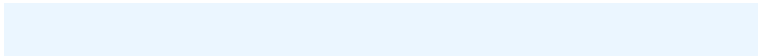
48.9479, 54.9603, 45.3322

Sweetspot

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



50.1829, 54.9625, 79.1990



85.1980, 90.8521, 107.6535



52.2850, 65.8359, 59.3395



17.8610, 19.0935, 22.9940



0.0000, 0.0000, 0.0000



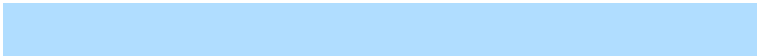
20.3446, 21.4041, 23.3091

Same Dimension

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



50.1829, 54.9625, 79.1990



61.7811, 68.1201, 104.5000



44.2490, 43.0947, 77.2210



13.5961, 14.5314, 17.4759



12.3999, 12.2693, 42.7630



0.9479, 1.0273, 2.9936

Inverse Universe

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



55.2967, 47.8164, 60.9611



69.7973, 57.5078, 75.7790



63.6643, 70.0725, 46.7303



14.0324, 13.8306, 15.9406



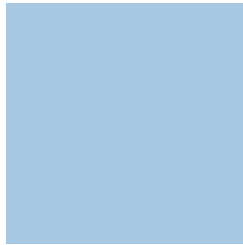
20.1991, 10.1466, 12.9800



1.4447, 0.7212, 1.1348

Previews

White Background



This preview shows how the XYZ color 50.1812, 54.9603, 79.1977 looks on a white background.

Color Contrast Check

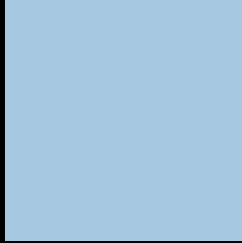
Large Text (above 18pt) WCAG AA × Fail

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 50.1812, 54.9603, 79.1977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

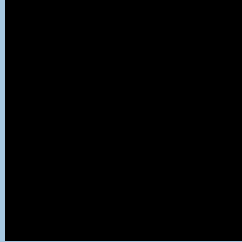
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

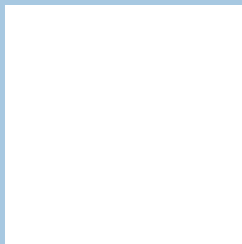
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1812, 54.9603, 79.1977

Background



This preview shows how black text looks on a background with the XYZ color 50.1812, 54.9603, 79.1977.



This preview shows how white text looks on a background with the XYZ color 50.1812, 54.9603,

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

50.1812, 54.9603, 79.1977

Protanopia

53.8288, 54.8804, 76.1625

Deuteranopia

55.8318, 54.5151, 80.2529



Tritanopia

48.9281, 54.7824, 73.6409

Trichromacy



Original Color

50.1812, 54.9603, 79.1977

Protanomaly

52.2161, 54.6989, 76.9131

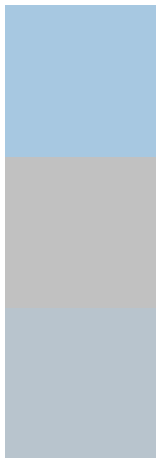
Deuteranomaly

53.5128, 54.6394, 79.6775

Tritanomaly

49.5308, 55.0476, 75.7248

Monochromacy



Original Color

50.1812, 54.9603, 79.1977

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.5265, 54.0780, 65.5327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1812, 54.9603, 79.1977 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(167, 200, 225)` looks like.

```
.text, #text, p{  
    color:rgb(167, 200, 225)  
}
```

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(167, 200, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 200, 225) }
```

Border

The CSS property to change the border of an element to XYZ 50.1812, 54.9603, 79.1977 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(167, 200, 225) }
```


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

```
.border{ border-color:rgb(167, 200, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 200, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 200, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 200, 225); box-shadow:4px 4px 4px 4px rgb(167, 200, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1812, 54.9603, 79.1977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 200, 225) }
```

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

```
.background{ background-color: rgb(167,  
200, 225) }
```

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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