

Converting Colors

XYZ(47.1846, 52.2364, 80.4817)

Have a look what the booklet for
XYZ(47.1846, 52.2364, 80.4817)
contains.

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Color

**XYZ(47.1578, 52.3486,
80.2919)**

Conversions

Conversions Part 1

Format	Color
Hex	9AC5E3
RGB	154, 197, 227
RGB Percent	60%, 77%, 89%
CMY	0.3961, 0.2274, 0.1098
CMYK	0.32, 0.13, 0.00, 0.11
HSL	205°, 57%, 75%
HSV	205°, 32%, 89%
XYZ	47.1578, 52.3486, 80.2919
YIQ	187.5630, -35.2580, 0.2140

Conversions

Conversions Part 2

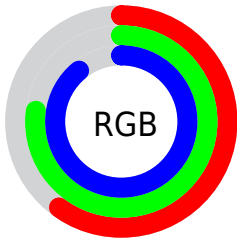
Format	Color
RYB	154, 181, 227
Decimal	10143203
CIELab	77.49, -7.14, -19.50
CIELCh	77, 20.768, 249.893
Yxy	52.3486, 0.2623, 0.2912
Android (android.graphics.Color)	4288333283 (0xFF9AC5E3)
YUV	187.5630, 19.4424, -29.4348
Hunter-Lab	72.3523, -10.2739, -15.1495

Details

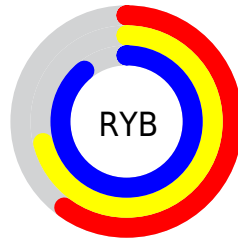
The XYZ color **47.1578, 52.3486, 80.2919** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.6526, 52.9456, 37.9122**, and the grayscale version is **47.4612, 49.9329, 54.3769**.

A 20% lighter version of the original color is **80.0702, 91.8053, 108.1078**, and **22.5244, 25.3328, 42.7323** is the 20% darker color. If you saturate the color by 10%, you get **41.1863, 46.2236, 79.4253**, and if you desaturate by 10%, it is **54.0806, 59.1611, 81.2429**.

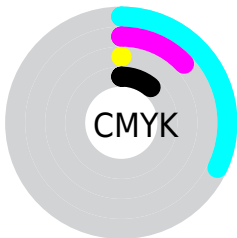
Distribution



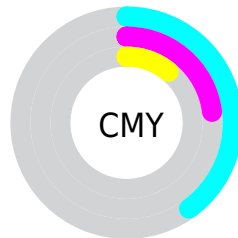
- Red (60%)
- Green (77%)
- Blue (89%)



- Red (60%)
- Yellow (71%)
- Blue (89%)



- Cyan (32%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)



- Cyan (40%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1578, 52.3486, 80.2919 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 47.1578, 52.3486, 80.2919 by changing the saturation by 10% instead.

■ 47.1578, 52.3486,
80.2919

■ 47.1578, 52.3486,
80.2919

366.0824,
395.7809, 515.6487

■ 33.3689, 37.2830,
59.4310

■ 85.1664, 93.6451,
135.5912

■ 22.5698, 25.4267,
42.5379

■ 110.1169,
120.6449, 170.8666

■ 14.3951, 16.3952,
29.1940

139.5185,
152.3915, 211.7840

■ 8.4795, 9.8043,
18.9808

173.7367,
189.2693, 258.7618

■ 4.4576, 5.2694,
11.4797

213.1369,
231.6628, 312.2187

■ 1.9642, 2.4062,
6.2723

258.0843,

■ 0.6137, 0.8291,

279.9563, 372.5731

2.9399

308.9444,
334.5342, 440.2436

■ 0.0000, 0.0000,
1.0640

■ 0.0000, 0.0000,
0.0000

■ 47.1578, 52.3486,
80.2919

■ 47.1578, 52.3486,
80.2919

■ 41.1863, 46.2236,
79.4253

■ 54.0806, 59.1611,
81.2429

■ 36.1128, 40.7513,
78.6364

■ 61.9946, 66.6814,
82.2773

■ 31.8856, 35.9029,
77.9234

■ 70.9434, 74.9363,
83.3990

■ 28.4454, 31.6440,
77.2827

■ 80.9661, 83.9496,
84.6105

■ 25.7243, 27.9359,
76.7103

■ 87.3493, 91.2942,
85.6917

■ 23.6410, 24.7326,
76.2018

■ 90.2222, 97.0399,
86.6494

■ 22.3515, 22.5186,
75.8425

■ 90.8653, 98.3261,
86.8637

Harmonies

Analogous

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



44.0838, 52.3486, 72.3289



47.1578, 52.3486, 80.2919



51.0893, 52.3486, 81.5743

Triad

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



47.1578, 52.3486, 80.2919



57.7255, 52.3486, 53.2965



44.9832, 52.3486, 41.7110

Complementary

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



47.1578, 52.3486, 80.2919



54.6526, 52.9456, 37.9122

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.



48.4457, 52.3486, 37.9329



47.1578, 52.3486, 80.2919



55.8945, 52.3486, 44.0039

Square

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



47.1578, 52.3486, 80.2919



57.3350, 52.3486, 64.9129



52.4475, 52.3486, 38.7119



42.8757, 52.3486, 49.7554

Rectangle

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



47.1578, 52.3486, 80.2919



53.6891, 52.3486, 78.3122



52.4475, 52.3486, 38.7119



46.0194, 52.3486, 39.9523

Sweetspot

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



47.1594, 52.3507, 80.2931



83.0306, 88.9758, 107.4056



49.3648, 65.2365, 54.9004



17.4343, 18.7298, 22.9463



0.0000, 0.0000, 0.0000



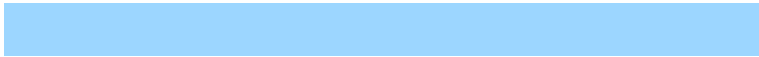
20.3446, 21.4041, 23.3091

Same Dimension

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



47.1594, 52.3507, 80.2931



55.7535, 62.4033, 103.7143



39.9902, 38.0122, 77.9034



14.2849, 15.2912, 18.3429



13.1529, 13.3678, 44.2702



1.0629, 1.1697, 3.3017

Inverse Universe

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



53.3136, 43.4747, 58.4071



65.2076, 49.7480, 69.8726



63.0269, 69.6941, 40.7037



14.7314, 14.5097, 16.7859



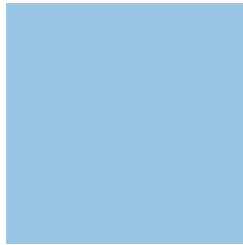
21.0325, 10.5472, 14.3318



1.6001, 0.7978, 1.3008

Previews

White Background



This preview shows how the XYZ color 47.1578, 52.3486, 80.2919 looks on a white background.

Color Contrast Check

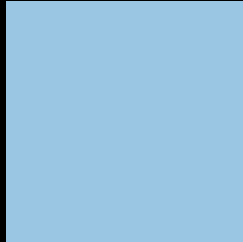
Large Text (above 18pt) WCAG AA × Fail

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 47.1578, 52.3486, 80.2919 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 47.1578, 52.3486, 80.2919

Background



This preview shows how black text looks on a background with the XYZ color 47.1578, 52.3486, 80.2919.



This preview shows how white text looks on a background with the XYZ color 47.1578, 52.3486,

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

47.1578, 52.3486, 80.2919

Protanopia

51.3900, 51.9834, 76.4325

Deuteranopia

53.3990, 52.2742, 81.4042



Tritanopia

45.4517, 52.3325, 71.9956

Trichromacy



Original Color

47.1578, 52.3486, 80.2919

Protanomaly

49.7597, 52.0798, 77.9508

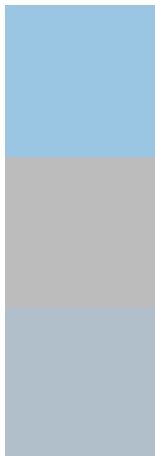
Deuteranomaly

50.9945, 52.3280, 80.8114

Tritanomaly

45.9292, 52.1780, 74.6685

Monochromacy



Original Color

47.1578, 52.3486, 80.2919

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.1960, 50.7560, 63.1865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1578, 52.3486, 80.2919 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(154, 197, 227)` looks like.

```
.text, #text, p{  
    color:rgb(154, 197, 227)  
}
```

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(154, 197, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 197, 227) }
```

Border

The CSS property to change the border of an element to XYZ 47.1578, 52.3486, 80.2919 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(154, 197, 227) }
```


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

```
.border{ border-color:rgb(154, 197, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 197, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 197, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 197, 227);  
box-shadow:4px 4px 4px 4px rgb(154, 197,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1578, 52.3486, 80.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 197, 227) }
```

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

```
.background{ background-color: rgb(154,  
197, 227) }
```

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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