

Converting Colors

XYZ(41.7980, 44.9758, 82.8221)

Have a look what the booklet for
XYZ(41.7980, 44.9758, 82.8221)
contains.

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Color

**XYZ(41.8155, 45.0115,
82.8281)**

Conversions

Conversions Part 1

Format	Color
Hex	89B7E8
RGB	137, 183, 232
RGB Percent	54%, 72%, 91%
CMY	0.4627, 0.2823, 0.0902
CMYK	0.41, 0.21, 0.00, 0.09
HSL	211°, 67%, 72%
HSV	211°, 41%, 91%
XYZ	41.8155, 45.0115, 82.8281
YIQ	174.8320, -43.1450, 5.4870

Conversions

Conversions Part 2

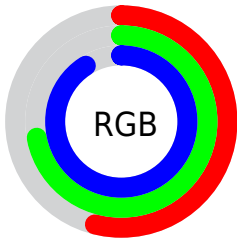
Format	Color
R _{YB}	137, 168, 232
Decimal	9025512
CIE Lab	72.90, -2.91, -29.30
CIE LCh	73, 29.442, 264.332
Yxy	45.0115, 0.2465, 0.2653
Android (android.graphics.Color)	4287215592 (0xFF89B7E8)
YUV	174.8320, 28.1838, -33.1787
Hunter-Lab	67.0906, -6.1550, -26.2343

Details

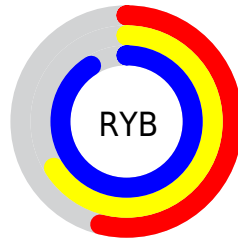
The XYZ color **41.8155, 45.0115, 82.8281** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.3541, 54.0811, 31.1897**, and the grayscale version is **40.5369, 42.6480, 46.4436**.

A 20% lighter version of the original color is **70.9088, 80.2905, 106.3681**, and **19.2988, 20.8937, 44.0900** is the 20% darker color. If you saturate the color by 10%, you get **36.0495, 38.5302, 81.8818**, and if you desaturate by 10%, it is **48.6120, 52.3374, 83.8847**.

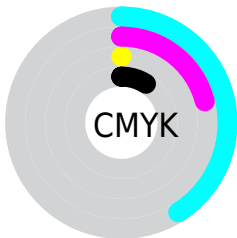
Distribution



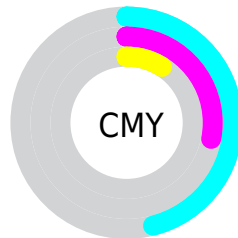
- Red (54%)
- Green (72%)
- Blue (91%)



- Red (54%)
- Yellow (66%)
- Blue (91%)



- Cyan (41%)
- Magenta (21%)
- Yellow (0%)
- Black (9%)



- Cyan (46%)
- Magenta (28%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8155, 45.0115, 82.8281 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 41.8155, 45.0115, 82.8281 by changing the saturation by 10% instead.

■ 41.8155, 45.0115,
82.8281

■ 41.8155, 45.0115,
82.8281

344.7222,
366.8201, 524.3694

■ 29.1473, 31.4665,
61.5086

■ 77.1872, 82.7377,
139.1818

■ 19.3371, 20.9543,
44.2025

■ 100.6215,
107.6876, 175.0530

■ 12.0196, 13.0906,
30.4914

■ 128.3752,
137.2080, 216.6118

■ 6.8293, 7.4910,
19.9566

160.8136,
171.6832, 264.2768

■ 3.4010, 3.7710,
12.1798

198.3022,
211.4976, 318.4665

■ 1.3692, 1.5463,
6.7422

241.2063,

■ 0.2341, 0.3210,

257.0356, 379.5995

3.2254

289.8911,
308.6817, 448.0943

■ 0.0000, 0.0000,
1.2109

■ 0.0000, 0.0000,
0.0000

■ 41.8155, 45.0115,
82.8281

■ 41.8155, 45.0115,
82.8281

■ 36.0495, 38.5302,
81.8818

■ 48.6120, 52.3374,
83.8847

■ 31.2513, 32.8508,
81.0385

■ 56.4877, 60.5377,
85.0525

■ 27.3581, 27.9337,
80.2946

■ 65.4934, 69.6467,
86.3360

■ 24.2963, 23.7327,
79.6451

■ 75.6752, 79.6951,
87.7389

■ 21.9792, 20.1942,
79.0842

■ 87.0765, 90.7120,
89.2645

■ 20.3972, 17.4893,
78.6455

■ 91.5021, 98.4793,
90.5305

■ 91.5656, 98.6063,
90.5516

Harmonies

Analogous

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



37.2858, 45.0115, 75.7207



41.8155, 45.0115, 82.8281



46.9752, 45.0115, 79.5100

Triad

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



41.8155, 45.0115, 82.8281



52.4112, 45.0115, 38.2701



35.2603, 45.0115, 34.3178

Complementary

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



41.8155, 45.0115, 82.8281



55.3541, 54.0811, 31.1897

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.



38.8463, 45.0115, 27.5176



41.8155, 45.0115, 82.8281



48.7936, 45.0115, 29.4600

Square

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



41.8155, 45.0115, 82.8281



53.3646, 45.0115, 51.8525



43.7634, 45.0115, 25.9355



33.7001, 45.0115, 46.2731

Rectangle

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



41.8155, 45.0115, 82.8281



50.0499, 45.0115, 72.1143



43.7634, 45.0115, 25.9355



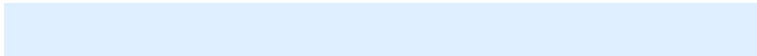
36.2542, 45.0115, 31.4568

Sweetspot

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



41.8170, 45.0132, 82.8292



79.8447, 84.9914, 106.8045



47.8787, 66.5144, 55.9393



16.7634, 17.8640, 22.8145



0.0000, 0.0000, 0.0000



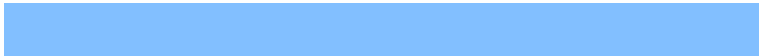
20.3446, 21.4041, 23.3091

Same Dimension

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



41.8170, 45.0132, 82.8292



45.7969, 49.0365, 101.6590



33.8291, 29.0375, 80.1666



14.1559, 15.0332, 18.2999



11.4486, 9.9593, 43.7021



0.9387, 0.9213, 3.2603

Inverse Universe

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



50.7729, 38.4676, 49.5504



58.5841, 40.9805, 53.8547



66.6516, 76.6761, 34.9556



14.6663, 14.4837, 16.4431



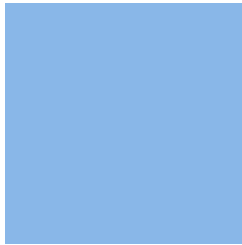
20.1722, 10.2031, 9.8019



1.5374, 0.7727, 0.9707

Previews

White Background



This preview shows how the XYZ color 41.8155, 45.0115, 82.8281 looks on a white background.

Color Contrast Check

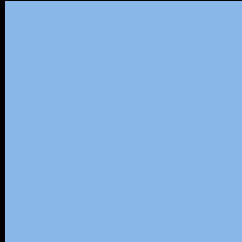
Large Text (above 18pt) WCAG AA × Fail

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 41.8155, 45.0115, 82.8281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

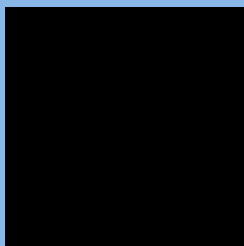
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

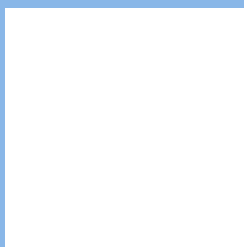
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8155, 45.0115, 82.8281

Background



This preview shows how black text looks on a background with the XYZ color 41.8155, 45.0115, 82.8281.



This preview shows how white text looks on a background with the XYZ color 41.8155, 45.0115,

82.8281.

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

41.8155, 45.0115, 82.8281

Protanopia

44.9075, 44.5961, 78.9141

Deuteranopia

45.9071, 44.7074, 84.0517



Tritanopia

37.8160, 44.9454, 63.1821

Trichromacy



Original Color

41.8155, 45.0115, 82.8281

Protanomaly

43.7805, 44.8659, 80.4812

Deuteranomaly

44.1459, 44.6925, 83.3906

Tritanomaly

39.2122, 44.8784, 70.2140

Monochromacy



Original Color

41.8155, 45.0115, 82.8281

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.5821, 43.4034, 58.4633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8155, 45.0115, 82.8281 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(137, 183, 232)` looks like.

```
.text, #text, p{  
    color:rgb(137, 183, 232)  
}
```

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(137, 183, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 183, 232) }
```

Border

The CSS property to change the border of an element to XYZ 41.8155, 45.0115, 82.8281 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(137, 183, 232) }
```


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

```
.border{ border-color:rgb(137, 183, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 183, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 183, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 183, 232);  
box-shadow:4px 4px 4px 4px rgb(137, 183,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8155, 45.0115, 82.8281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 183, 232) }
```

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

```
.background{ background-color: rgb(137,  
183, 232) }
```

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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