

Converting Colors

XYZ(41.8406, 45.5851, 82.0555)

Have a look what the booklet for
XYZ(41.8406, 45.5851, 82.0555)
contains.

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Color

**XYZ(41.9261, 45.7017,
82.2129)**

Conversions

Conversions Part 1

Format	Color
Hex	88B9E7
RGB	136, 185, 231
RGB Percent	53%, 73%, 91%
CMY	0.4667, 0.2745, 0.0941
CMYK	0.41, 0.20, 0.00, 0.09
HSL	209°, 66%, 72%
HSV	209°, 41%, 91%
XYZ	41.9261, 45.7017, 82.2129
YIQ	175.5930, -43.9700, 3.9180

Conversions

Conversions Part 2

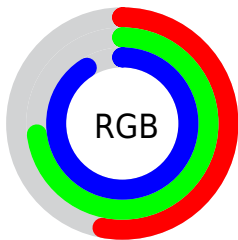
Format	Color
R_{YB}	136, 168, 231
Decimal	8960487
CIE _{Lab}	73.35, -4.52, -28.07
CIE _{LCh}	73, 28.427, 260.848
Yxy	45.7017, 0.2469, 0.2691
Android (android.graphics.Color)	4287150567 (0xFF88B9E7)
YUV	175.5930, 27.3157, -34.7231
Hunter-Lab	67.6030, -7.6030, -24.7812

Details

The XYZ color **41.9261, 45.7017, 82.2129** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.1279, 52.2235, 30.5213**, and the grayscale version is **40.9352, 43.0670, 46.9000**.

A 20% lighter version of the original color is **71.2435, 81.3371, 106.5524**, and **19.3825, 21.3470, 43.6563** is the 20% darker color. If you saturate the color by 10%, you get **36.3226, 39.4758, 81.3073**, and if you desaturate by 10%, it is **48.5252, 52.7161, 83.2198**.

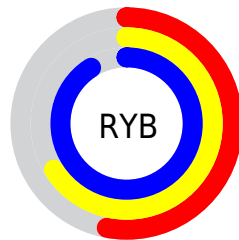
Distribution



Red (53%)

Green (73%)

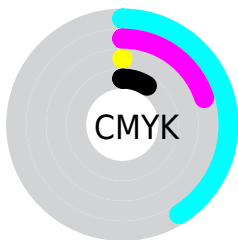
Blue (91%)



Red (53%)

Yellow (66%)

Blue (91%)

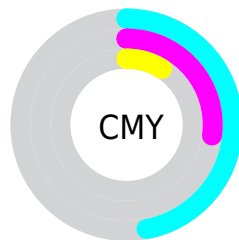


Cyan (41%)

Magenta (20%)

Yellow (0%)

Black (9%)



Cyan (47%)

Magenta (27%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9261, 45.7017, 82.2129 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 41.9261, 45.7017, 82.2129 by changing the saturation by 10% instead.

■ 41.9261, 45.7017,
82.2129

■ 41.9261, 45.7017,
82.2129

345.1733,
369.6081, 522.2617

■ 29.2343, 32.0105,
61.0042

■ 77.3536, 83.7724,
138.3119

■ 19.4033, 21.3695,
43.7980

■ 100.8201,
108.9207, 174.0392

■ 12.0678, 13.3944,
30.1757

■ 128.6087,
138.6567, 215.4432

■ 6.8624, 7.7007,
19.7188

161.0850,
173.3650, 262.9424

■ 3.4217, 3.9040,
12.0088

198.6143,
213.4299, 316.9553

■ 1.3805, 1.6200,
6.6270

241.5618,

■ 0.2423, 0.3710,

259.2358, 377.9005

3.1551

290.2931,
311.1670, 446.1964

■ 0.0000, 0.0000,
1.1744

■ 0.0000, 0.0000,
0.0000

■ 41.9261, 45.7017,
82.2129

■ 41.9261, 45.7017,
82.2129

■ 36.3226, 39.4758,
81.3073

■ 48.5252, 52.7161,
83.2198

■ 31.6535, 33.9976,
80.4960

■ 56.1671, 60.5464,
84.3285

■ 27.8573, 29.2301,
79.7759

■ 64.9014, 69.2251,
85.5433

■ 24.8622, 25.1293,
79.1422

■ 74.7729, 78.7809,
86.8674

■ 22.5833, 21.6446,
78.5897

■ 85.8239, 89.2412,
88.3040

■ 21.0386, 18.9989,
78.1605

■ 90.5102, 96.7221,
89.5010

■ 91.4240, 98.5496,
89.8056

Harmonies

Analogous

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



37.6437, 45.7017, 74.3258



41.9261, 45.7017, 82.2129



46.9519, 45.7017, 80.1991

Triad

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



41.9261, 45.7017, 82.2129



53.0612, 45.7017, 40.5875



36.3980, 45.7017, 34.3165

Complementary

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



41.9261, 45.7017, 82.2129



54.1279, 52.2235, 30.5213

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.



40.1041, 45.7017, 28.2022



41.9261, 45.7017, 82.2129



49.7985, 45.7017, 31.3105

Square

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



41.9261, 45.7017, 82.2129



53.6430, 45.7017, 54.2727



44.9860, 45.7017, 27.2189



34.6172, 45.7017, 45.5072

Rectangle

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



41.9261, 45.7017, 82.2129



50.0377, 45.7017, 73.6431



44.9860, 45.7017, 27.2189



37.4459, 45.7017, 31.6969

Sweetspot

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



41.9276, 45.7034, 82.2140



80.1287, 85.5595, 106.8991



47.1654, 65.7611, 54.4195



16.8302, 17.9976, 22.8368



0.0000, 0.0000, 0.0000



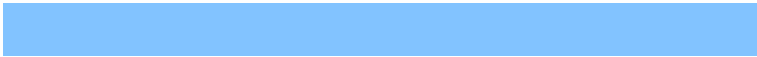
20.3446, 21.4041, 23.3091

Same Dimension

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



41.9276, 45.7034, 82.2140



46.6666, 50.7758, 101.9489



33.6073, 29.0629, 79.4406



14.1946, 15.1106, 18.3128



11.9194, 10.9009, 43.8590



0.9737, 0.9914, 3.2720

Inverse Universe

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



50.5174, 38.1015, 50.5925



59.0230, 41.1561, 56.1662



65.5347, 75.0370, 34.3236



14.6858, 14.4915, 16.5459



20.4099, 10.2982, 11.0532



1.5551, 0.7798, 1.0638

Previews

White Background



This preview shows how the XYZ color 41.9261, 45.7017, 82.2129 looks on a white background.

Color Contrast Check

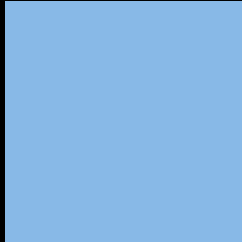
Large Text (above 18pt) WCAG AA × Fail

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 41.9261, 45.7017, 82.2129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

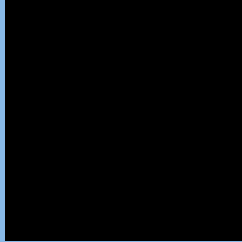
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9261, 45.7017, 82.2129

Background



This preview shows how black text looks on a background with the XYZ color 41.9261, 45.7017, 82.2129.



This preview shows how white text looks on a background with the XYZ color 41.9261, 45.7017,

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

41.9261, 45.7017, 82.2129

Protanopia

45.7963, 45.6566, 78.3504

Deuteranopia

46.3818, 45.2587, 83.3820



Tritanopia

38.4862, 45.9018, 64.5891

Trichromacy



Original Color

41.9261, 45.7017, 82.2129

Protanomaly

44.2378, 45.7171, 79.8915

Deuteranomaly

44.3959, 45.1343, 82.7158

Tritanomaly

39.6365, 45.7270, 70.3555

Monochromacy



Original Color

41.9261, 45.7017, 82.2129

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.7818, 43.8028, 58.5299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9261, 45.7017, 82.2129 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(136, 185, 231)` looks like.

```
.text, #text, p{  
    color:rgb(136, 185, 231)  
}
```

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(136, 185, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 185, 231) }
```

Border

The CSS property to change the border of an element to XYZ 41.9261, 45.7017, 82.2129 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(136, 185, 231) }
```


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

```
.border{ border-color:rgb(136, 185, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 185, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 185, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 185, 231);  
box-shadow:4px 4px 4px 4px rgb(136, 185,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9261, 45.7017, 82.2129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 185, 231) }
```

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

```
.background{ background-color: rgb(136,  
185, 231) }
```

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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