

Converting Colors

XYZ(45.1103, 52.3550, 81.5462)

Have a look what the booklet for
XYZ(45.1103, 52.3550, 81.5462)
contains.

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Color

**XYZ(45.1137, 52.2841,
81.8428)**

Conversions

Conversions Part 1

Format	Color
Hex	89C8E5
RGB	137, 200, 229
RGB Percent	54%, 78%, 90%
CMY	0.4627, 0.2157, 0.1020
CMYK	0.40, 0.13, 0.00, 0.10
HSL	199°, 64%, 72%
HSV	199°, 40%, 90%
XYZ	45.1137, 52.2841, 81.8428
YIQ	184.4690, -46.8570, -4.3370

Conversions

Conversions Part 2

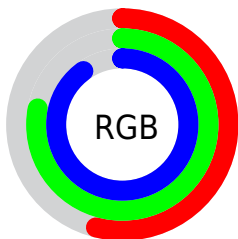
Format	Color
R_{YB}	137, 174, 229
Decimal	9029861
CIE _{Lab}	77.45, -12.78, -20.72
CIE _{LCh}	77, 24.347, 238.344
Yxy	52.2841, 0.2517, 0.2917
Android (android.graphics.Color)	4287219941 (0xFF89C8E5)
YUV	184.4690, 21.9538, -41.6303
Hunter-Lab	72.3077, -15.1702, -16.4930

Details

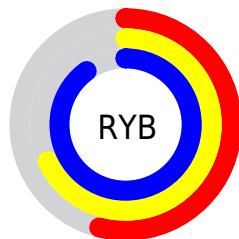
The XYZ color **45.1137, 52.2841, 81.8428** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.4657, 45.7376, 29.8369**, and the grayscale version is **45.7216, 48.1027, 52.3838**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **21.3014, 25.3687, 43.3091** is the 20% darker color. If you saturate the color by 10%, you get **40.1186, 47.2867, 81.1424**, and if you desaturate by 10%, it is **50.9877, 57.8541, 82.6092**.

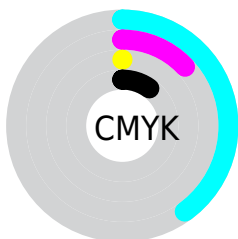
Distribution



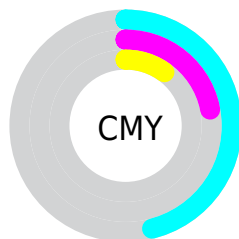
- Red (54%)
- Green (78%)
- Blue (90%)



- Red (54%)
- Yellow (68%)
- Blue (90%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (10%)



- Cyan (46%)
- Magenta (22%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1137, 52.2841, 81.8428 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 45.1137, 52.2841, 81.8428 by changing the saturation by 10% instead.

■ 45.1137, 52.2841,
81.8428

■ 45.1137, 52.2841,
81.8428

358.0098,
395.5324, 520.9913

■ 31.7487, 37.2316,
60.7009

■ 82.1270, 93.5501,
137.7882

■ 21.3242, 25.3868,
43.5548

■ 106.5060,
120.5323, 173.4289

■ 13.4750, 16.3655,
29.9861

■ 135.2870,
152.2600, 214.7395

■ 7.8357, 9.7832,
19.5761

168.8354,
189.1174, 262.1386

■ 4.0409, 5.2554,
11.9062

207.5165,
231.4889, 316.0448

■ 1.7253, 2.3979,
6.5581

251.6957,

■ 0.4720, 0.8248,

279.7590, 376.8767

3.1131

301.7384,
334.3120, 445.0527

■ 0.0000, 0.0000,
1.1527

■ 0.0000, 0.0000,
0.0000

■ 45.1137, 52.2841,
81.8428

■ 45.1137, 52.2841,
81.8428

■ 40.1186, 47.2867,
81.1424

■ 50.9877, 57.8541,
82.6092

■ 35.9454, 42.8274,
80.5016

■ 57.7830, 64.0166,
83.4406

■ 32.5381, 38.8770,
79.9187

■ 65.5452, 70.7979,
84.3404

■ 29.8307, 35.3996,
79.3902

■ 74.3152, 78.2204,
85.3108

■ 27.7449, 32.3532,
78.9121

■ 84.1315, 86.3056,
86.3541

■ 26.1695, 29.7101,
78.4850

■ 87.5273, 91.2057,
87.1209

■ 89.7338, 95.6188,
87.8564

■ 91.1430, 98.4372,
88.3262

Harmonies

Analogous

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



42.1781, 52.2841, 70.0809



45.1137, 52.2841, 81.8428



49.4345, 52.2841, 86.8176

Triad

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



45.1137, 52.2841, 81.8428



59.2570, 52.2841, 57.6775



45.5379, 52.2841, 37.1020

Complementary

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



45.1137, 52.2841, 81.8428



50.4657, 45.7376, 29.8369

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.



49.9553, 52.2841, 34.8323



45.1137, 52.2841, 81.8428



58.0547, 52.2841, 45.5341

Square

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



45.1137, 52.2841, 81.8428



57.7663, 52.2841, 71.5751



54.5753, 52.2841, 37.6654



42.4119, 52.2841, 44.4301

Rectangle

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



45.1137, 52.2841, 81.8428



52.5848, 52.2841, 85.1058



54.5753, 52.2841, 37.6654



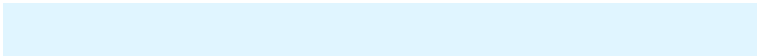
46.9121, 52.2841, 35.7781

Sweetspot

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



45.1153, 52.2861, 81.8440



81.6744, 88.6510, 107.4144



45.0923, 64.0602, 45.3966



17.1944, 18.7260, 22.9582



0.0000, 0.0000, 0.0000



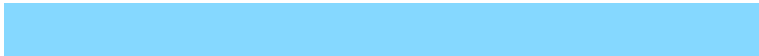
20.3446, 21.4041, 23.3091

Same Dimension

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



45.1153, 52.2861, 81.8440



52.3232, 61.5009, 103.7209



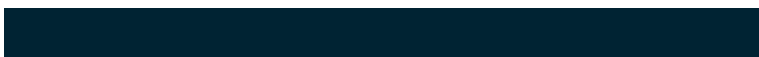
36.2489, 34.5532, 78.8885



14.4042, 15.5298, 18.3827



15.0748, 17.2117, 44.9108



1.1964, 1.4367, 3.3462

Inverse Universe

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



51.6855, 38.7210, 59.3955



62.0218, 42.9053, 70.2629



60.0246, 64.8554, 33.0232



14.7916, 14.5338, 17.1031



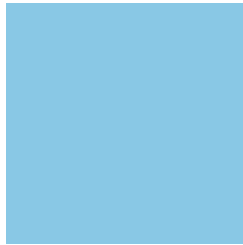
22.0026, 10.9352, 19.4403



1.6675, 0.8247, 1.6555

Previews

White Background



This preview shows how the XYZ color 45.1137, 52.2841, 81.8428 looks on a white background.

Color Contrast Check

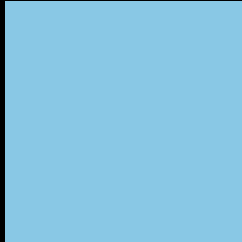
Large Text (above 18pt) WCAG AA × Fail

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 45.1137, 52.2841, 81.8428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

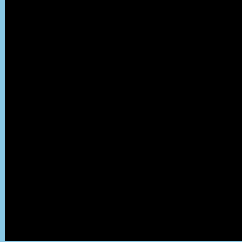
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.1137, 52.2841, 81.8428

Background



This preview shows how black text looks on a background with the XYZ color 45.1137, 52.2841, 81.8428.



This preview shows how white text looks on a background with the XYZ color 45.1137, 52.2841,

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

45.1137, 52.2841, 81.8428

Protanopia

51.3900, 51.9834, 76.4325

Deuteranopia

52.8634, 51.6354, 83.5244



Tritanopia

43.6069, 52.3713, 74.1400

Trichromacy



Original Color

45.1137, 52.2841, 81.8428

Protanomaly

48.8090, 51.9010, 78.6795

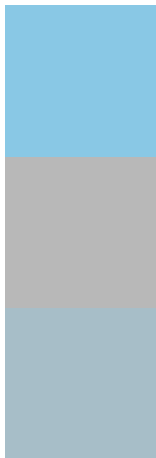
Deuteranomaly

49.4168, 51.4661, 82.9307

Tritanomaly

44.0631, 52.1981, 76.8601

Monochromacy



Original Color

45.1137, 52.2841, 81.8428

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.7751, 49.2125, 61.7826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1137, 52.2841, 81.8428 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, 200, 229)` looks like.

```
.text, #text, p{  
    color:rgb(137, 200, 229)  
}
```

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, 200, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 200, 229) }
```

Border

The CSS property to change the border of an element to XYZ 45.1137, 52.2841, 81.8428 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, 200, 229) }
```


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

```
.border{ border-color:rgb(137, 200, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 200, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 200, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 200, 229);  
box-shadow:4px 4px 4px 4px rgb(137, 200,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1137, 52.2841, 81.8428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 200, 229) }
```

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

```
.background{ background-color: rgb(137,  
200, 229) }
```

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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