

Converting Colors

XYZ(45.3531, 54.1134, 82.5499)

Have a look what the booklet for
XYZ(45.3531, 54.1134, 82.5499)
contains.

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Color

**XYZ(45.4743, 54.2011,
82.9280)**

Conversions

Conversions Part 1

Format	Color
Hex	83CDE6
RGB	131, 205, 230
RGB Percent	51%, 80%, 90%
CMY	0.4863, 0.1961, 0.0980
CMYK	0.43, 0.11, 0.00, 0.10
HSL	195°, 66%, 71%
HSV	195°, 43%, 90%
XYZ	45.4743, 54.2011, 82.9280
YIQ	185.7240, -52.1290, -7.9130

Conversions

Conversions Part 2

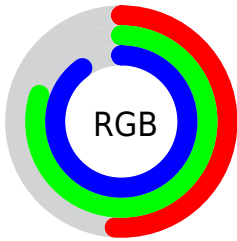
Format	Color
R _{YB}	131, 173, 230
Decimal	8637926
CIE _{Lab}	78.58, -16.61, -19.58
CIE _{LCh}	79, 25.672, 229.698
Y _{xy}	54.2011, 0.2490, 0.2968
Android (android.graphics.Color)	4286828006 (0xFF83CDE6)
YUV	185.7240, 21.8281, -47.9929
Hunter-Lab	73.6214, -18.5820, -15.2500

Details

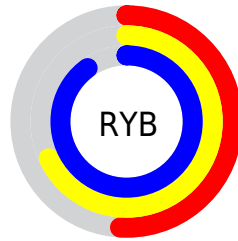
The XYZ color **45.4743, 54.2011, 82.9280** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.6194, 42.2396, 27.0648**, and the grayscale version is **46.4219, 48.8394, 53.1861**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **21.5306, 26.6451, 44.0526** is the 20% darker color. If you saturate the color by 10%, you get **40.9364, 49.8386, 82.3261**, and if you desaturate by 10%, it is **50.8578, 59.0785, 83.5867**.

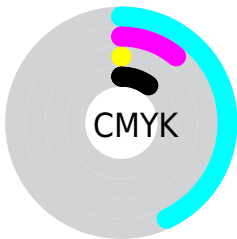
Distribution



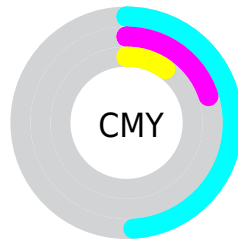
- Red (51%)
- Green (80%)
- Blue (90%)



- Red (51%)
- Yellow (68%)
- Blue (90%)



- Cyan (43%)
- Magenta (11%)
- Yellow (0%)
- Black (10%)



- Cyan (49%)
- Magenta (20%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4743, 54.2011, 82.9280 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 45.4743, 54.2011, 82.9280 by changing the saturation by 10% instead.

■ 45.4743, 54.2011,
82.9280

■ 45.4743, 54.2011,
82.9280

359.4426,
402.8764, 524.7112

■ 32.0340, 38.7625,
61.5905

■ 82.6644, 96.3695,
139.3229

■ 21.5432, 26.5750,
44.2682

■ 107.1449,
123.8680, 175.2175

■ 13.6363, 17.2543,
30.5427

■ 136.0363,
156.1552, 216.8014

■ 7.9482, 10.4160,
19.9953

169.7038,
193.6156, 264.4933

■ 4.1133, 5.6756,
12.2076

208.5128,
236.6335, 318.7117

■ 1.7664, 2.6489,
6.7610

252.8287,

■ 0.4973, 0.9513,

285.5934, 379.8751

3.2369

303.0169,
340.8795, 448.4021

■ 0.0000, 0.0000,
1.2168

■ 0.0000, 0.0000,
0.0000

■ 45.4743, 54.2011,
82.9280

■ 45.4743, 54.2011,
82.9280

■ 40.9364, 49.8386,
82.3261

■ 50.8578, 59.0785,
83.5867

■ 37.1856, 45.9564,
81.7744

■ 57.1304, 64.4904,
84.3007

■ 34.1636, 42.5248,
81.2714

■ 64.3385, 70.4628,
85.0735

■ 31.8013, 39.5074,
80.8134

■ 72.5240, 77.0179,
85.9074

■ 30.0152, 36.8602,
80.3966

■ 81.7257, 84.1767,
86.8042

■ 29.0211, 35.1892,
80.1265

■ 86.6391, 89.2052,
87.5158

■ 88.3749, 92.6769,
88.0944

■ 90.1659, 96.2589,
88.6914

■ 91.2831, 98.4932,
89.0638

Harmonies

Analogous

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



42.8860, 54.2011, 68.9185



45.4743, 54.2011, 82.9280



49.7956, 54.2011, 90.9072

Triad

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



45.4743, 54.2011, 82.9280



61.6978, 54.2011, 64.1420



48.3051, 54.2011, 36.4710

Complementary

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



45.4743, 54.2011, 82.9280



48.6194, 42.2396, 27.0648

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.



53.2767, 54.2011, 35.6202



45.4743, 54.2011, 82.9280



61.2336, 54.2011, 50.1103

Square

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



45.4743, 54.2011, 82.9280



59.3013, 54.2011, 78.9428



58.0716, 54.2011, 40.2083



44.4447, 54.2011, 42.7605

Rectangle

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



45.4743, 54.2011, 82.9280



53.1735, 54.2011, 90.9751



58.0716, 54.2011, 40.2083



49.8943, 54.2011, 35.5839

Sweetspot

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



45.4760, 54.2032, 82.9293



81.2758, 89.0209, 107.5068



43.6378, 63.8119, 41.3601



16.9413, 18.6823, 22.9631



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.



45.4760, 54.2032, 82.9293



52.1260, 63.3732, 104.0927



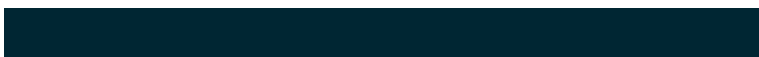
35.4910, 34.2332, 79.6009



14.4832, 15.6877, 18.4090



16.5323, 20.1267, 45.3967



1.2946, 1.6331, 3.3789

Inverse Universe

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



51.7703, 37.4649, 62.2627



61.3689, 40.5256, 73.3561



58.6222, 62.2453, 30.3991



14.8315, 14.5498, 17.3129



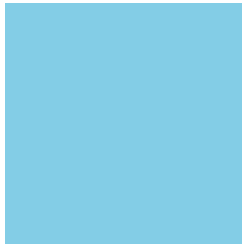
22.7382, 11.2295, 23.3143



1.7171, 0.8445, 1.9166

Previews

White Background



This preview shows how the XYZ color 45.4743, 54.2011, 82.9280 looks on a white background.

Color Contrast Check

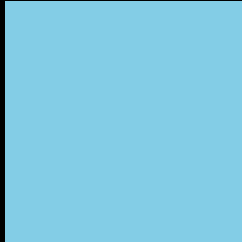
Large Text (above 18pt) WCAG AA × Fail

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 45.4743, 54.2011, 82.9280 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 45.4743, 54.2011, 82.9280

Background



This preview shows how black text looks on a background with the XYZ color 45.4743, 54.2011, 82.9280.



This preview shows how white text looks on a background with the XYZ color 45.4743, 54.2011,

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

45.4743, 54.2011, 82.9280

Protanopia

52.8870, 53.7385, 75.9917

Deuteranopia

54.8979, 53.6158, 84.5463



Tritanopia

44.4439, 54.1375, 77.9192

Trichromacy



Original Color

45.4743, 54.2011, 82.9280

Protanomaly

49.5692, 53.6392, 78.2618

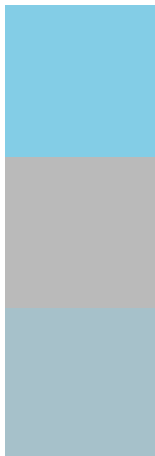
Deuteranomaly

50.6582, 53.4025, 83.9817

Tritanomaly

45.0047, 54.3794, 80.0758

Monochromacy



Original Color

45.4743, 54.2011, 82.9280

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.4565, 50.5112, 63.2309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4743, 54.2011, 82.9280 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(131, 205, 230)` looks like.

```
.text, #text, p{  
    color:rgb(131, 205, 230)  
}
```

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(131, 205, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 205, 230) }
```

Border

The CSS property to change the border of an element to XYZ 45.4743, 54.2011, 82.9280 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(131, 205, 230) }
```


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

```
.border{ border-color:rgb(131, 205, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 205, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 205, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 205, 230); box-shadow:4px 4px 4px 4px rgb(131, 205, 230) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4743, 54.2011, 82.9280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 205, 230) }
```

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

```
.background{ background-color: rgb(131,  
205, 230) }
```

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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