

Converting Colors

XYZ(45.8044, 56.4236, 84.4018)

Have a look what the booklet for
XYZ(45.8044, 56.4236, 84.4018)
contains.

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Color

**XYZ(45.7441, 56.4956,
84.0951)**

Conversions

Conversions Part 1

Format	Color
Hex	7AD3E7
RGB	122, 211, 231
RGB Percent	48%, 83%, 91%
CMY	0.5215, 0.1725, 0.0941
CMYK	0.47, 0.09, 0.00, 0.09
HSL	191°, 69%, 69%
HSV	191°, 47%, 91%
XYZ	45.7441, 56.4956, 84.0951
YIQ	186.6690, -59.4640, -12.6480

Conversions

Conversions Part 2

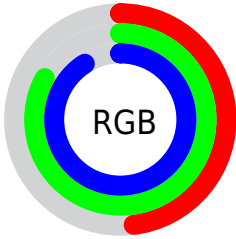
Format	Color
R _{YB}	122, 171, 231
Decimal	8049639
CIE Lab	79.90, -21.51, -18.16
CIE LCh	80, 28.150, 220.182
Yxy	56.4956, 0.2455, 0.3032
Android (android.graphics.Color)	4286239719 (0xFF7AD3E7)
YUV	186.6690, 21.8552, -56.7147
Hunter-Lab	75.1636, -22.9022, -13.7208

Details

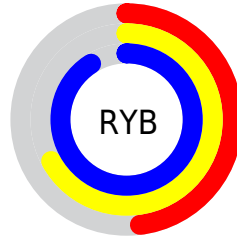
The XYZ color **45.7441, 56.4956, 84.0951** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.1420, 37.7413, 23.2668**, and the grayscale version is **46.9541, 49.3993, 53.7959**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **21.6129, 27.8962, 44.8028** is the 20% darker color. If you saturate the color by 10%, you get **41.8152, 52.9288, 83.6147**, and if you desaturate by 10%, it is **50.4816, 60.5229, 84.6238**.

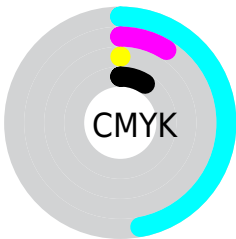
Distribution



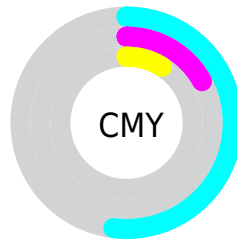
- Red (48%)
- Green (83%)
- Blue (91%)



- Red (48%)
- Yellow (67%)
- Blue (91%)



- Cyan (47%)
- Magenta (9%)
- Yellow (0%)
- Black (9%)



- Cyan (52%)
- Magenta (17%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7441, 56.4956, 84.0951 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 45.7441, 56.4956, 84.0951 by changing the saturation by 10% instead.

■ 45.7441, 56.4956,
84.0951

■ 45.7441, 56.4956,
84.0951

360.5121,
411.5566, 528.6953

■ 32.2477, 40.6004,
62.5481

■ 83.0661, 99.7288,
140.9711

■ 21.7072, 28.0070,
45.0371

■ 107.6224,
127.8357, 177.1372

■ 13.7573, 18.3309,
31.1435

■ 136.5961,
160.7818, 219.0134

■ 8.0327, 11.1878,
20.4487

170.3525,
198.9517, 267.0183

■ 4.1678, 6.1933,
12.5344

209.2569,
242.7298, 321.5704

■ 1.7975, 2.9630,
6.9818

253.6747,

■ 0.5162, 1.1124,

292.5003, 383.0882

3.3724

303.9713,
348.6478, 451.9904

■ 0.0000, 0.0000,
1.2878

■ 0.0000, 0.0000,
0.0518

■ 45.7441, 56.4956,
84.0951

■ 45.7441, 56.4956,
84.0951

■ 41.8152, 52.9288,
83.6147

■ 50.4816, 60.5229,
84.6238

■ 38.6334, 49.7869,
83.1760


■ 56.0731, 65.0308,
85.1992


■ 36.1368, 47.0387,
82.7771


■ 62.5667, 70.0456,
85.8249


■ 34.2509, 44.6457,
82.4146


■ 70.0055, 75.5897,
86.5029


 32.8782, 42.5571,
82.0838


 78.4296, 81.6842,
87.2353

 32.5397, 42.0010,
81.9943

 85.7843, 87.2702,
87.9258

 87.0221, 89.7458,
88.3384

 88.2891, 92.2797,
88.7608

 89.5854, 94.8724,
89.1929

Harmonies

Analogous

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



43.6069, 56.4956, 67.2369



45.7441, 56.4956, 84.0951



50.0630, 56.4956, 96.0604

Triad

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



45.7441, 56.4956, 84.0951



64.6939, 56.4956, 72.7935



51.7813, 56.4956, 35.4819

Complementary

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



45.7441, 56.4956, 84.0951



46.1420, 37.7413, 23.2668

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.



57.5035, 56.4956, 36.4370



45.7441, 56.4956, 84.0951



65.2355, 56.4956, 56.1256

Square

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



45.7441, 56.4956, 84.0951



61.0915, 56.4956, 88.7769



62.5229, 56.4956, 43.3871



46.9253, 56.4956, 40.4963

Rectangle

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



45.7441, 56.4956, 84.0951



53.7321, 56.4956, 98.5869



62.5229, 56.4956, 43.3871



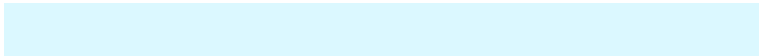
53.6626, 56.4956, 35.1402

Sweetspot

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



45.7459, 56.4978, 84.0964



81.0597, 89.7385, 107.6567



41.4846, 63.2432, 35.6070



16.9346, 18.8949, 23.0045



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.



45.7459, 56.4978, 84.0964



52.2718, 66.1823, 104.6272



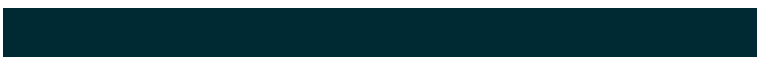
34.4267, 33.8595, 80.3234



14.5708, 15.8630, 18.4382



18.3266, 23.7152, 45.9948



1.4129, 1.8697, 3.4184

Inverse Universe

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



51.6739, 35.6128, 65.7807



60.8280, 37.9564, 77.7611



56.3183, 58.0938, 26.6589



14.8757, 14.5675, 17.5459



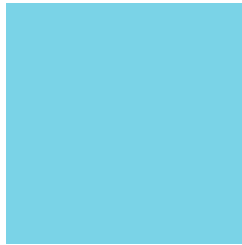
23.6439, 11.5918, 28.0835



1.7768, 0.8684, 2.2311

Previews

White Background



This preview shows how the XYZ color 45.7441, 56.4956, 84.0951 looks on a white background.

Color Contrast Check

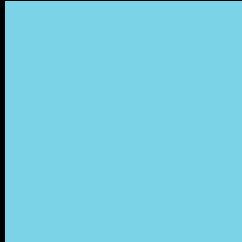
Large Text (above 18pt) WCAG AA × Fail

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 45.7441, 56.4956, 84.0951 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 45.7441, 56.4956, 84.0951

Background



This preview shows how black text looks on a background with the XYZ color 45.7441, 56.4956, 84.0951.



This preview shows how white text looks on a background with the XYZ color 45.7441, 56.4956,

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

45.7441, 56.4956, 84.0951

Protanopia

54.7834, 56.0378, 76.3356

Deuteranopia

57.3541, 56.1439, 86.4112



Tritanopia

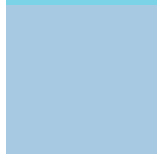
45.1830, 56.2549, 81.8757

Trichromacy



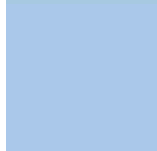
Original Color

45.7441, 56.4956, 84.0951



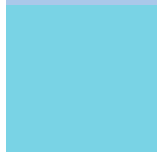
Protanomaly

50.4136, 55.4250, 79.2752



Deuteranomaly

52.0831, 55.7951, 85.8664



Tritanomaly

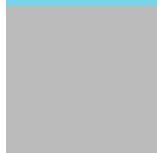
45.3223, 56.3106, 82.6090

Monochromacy



Original Color

45.7441, 56.4956, 84.0951



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

45.6237, 51.5782, 64.0509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7441, 56.4956, 84.0951 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(122, 211, 231)` looks like.

```
.text, #text, p{  
    color:rgb(122, 211, 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(122, 211, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 211, 231) }
```

Border

The CSS property to change the border of an element to XYZ 45.7441, 56.4956, 84.0951 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(122, 211, 231) }
```


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

```
.border{ border-color:rgb(122, 211, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 211, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 211, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 211, 231);  
box-shadow:4px 4px 4px 4px rgb(122, 211,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7441, 56.4956, 84.0951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 211, 231) }
```

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

```
.background{ background-color: rgb(122,  
211, 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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