

Converting Colors

XYZ(41.9265, 56.0049, 84.9442)

Have a look what the booklet for
XYZ(41.9265, 56.0049, 84.9442)
contains.

XYZ(41.9265, 56.0049, 84.9442)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.9265, 56.0049,
84.9442)**

Conversions

Conversions Part 1

Format	Color
Hex	4DD7E8
RGB	77, 215, 232
RGB Percent	30%, 84%, 91%
CMY	0.6980, 0.1568, 0.0902
CMYK	0.67, 0.07, 0.00, 0.09
HSL	187°, 77%, 61%
HSV	187°, 67%, 91%
XYZ	41.9265, 56.0049, 84.9442
YIQ	175.6760, -87.7050, -23.9690

Conversions

Conversions Part 2

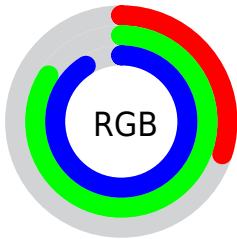
Format	Color
RYB	77, 150, 232
Decimal	5101544
CIELab	79.62, -31.52, -19.26
CIELCh	80, 36.942, 211.420
Yxy	56.0049, 0.2293, 0.3062
Android (android.graphics.Color)	4283291624 (0xFF4DD7E8)
YUV	175.6760, 27.7677, -86.5389
Hunter-Lab	74.8364, -30.9606, -14.9125

Details

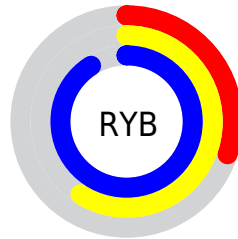
The XYZ color **41.9265, 56.0049, 84.9442** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **38.6224, 25.6986, 9.9475**, and the grayscale version is **40.9931, 43.1279, 46.9663**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **20.4073, 28.2762, 45.4566** is the 20% darker color. If you saturate the color by 10%, you get **39.7351, 53.9220, 84.6587**, and if you desaturate by 10%, it is **44.7986, 58.4561, 85.2670**.

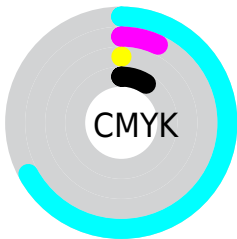
Distribution



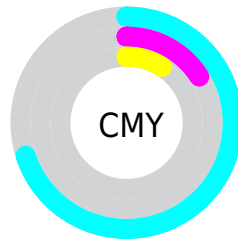
- Red (30%)
- Green (84%)
- Blue (91%)



- Red (30%)
- Yellow (59%)
- Blue (91%)



- Cyan (67%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (70%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9265, 56.0049, 84.9442 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 41.9265, 56.0049, 84.9442 by changing the saturation by 10% instead.

■ 41.9265, 56.0049,
84.9442

■ 41.9265, 56.0049,
84.9442

345.1750,
409.7100, 531.5832

■ 29.2346, 40.2069,
63.2454

■ 77.3542, 99.0117,
142.1687

■ 19.4035, 27.6999,
45.5975

■ 100.8208,
126.9893, 178.5314

■ 12.0680, 18.0995,
31.5819

■ 128.6096,
159.7955, 220.6193

■ 6.8625, 11.0215,
20.7802

■ 161.0860,
197.8148, 268.8507

■ 3.4218, 6.0813,
12.7738

198.6154,
241.4315, 323.6442

■ 1.3806, 2.8946,
7.1441

241.5631,

■ 0.2423, 1.0769,

291.0300, 385.4185

3.4725

290.2945,
346.9947, 454.5920

■ 0.0000, 0.0000,
1.3407

■ 0.0000, 0.0000,
0.0948

■ 41.9265, 56.0049,
84.9442

■ 41.9265, 56.0049,
84.9442

■ 39.7351, 53.9220,
84.6587

■ 44.7986, 58.4561,
85.2670

■ 38.1445, 52.1625,
84.4029


■ 48.4101, 61.3022,
85.6260


■ 37.0610, 50.6793,
84.1737


■ 52.8190, 64.5745,
86.0252


■ 36.7715, 50.2379,
84.1038


■ 58.0762, 68.2993,
86.4671

 64.2283, 72.5007,
86.9538

 71.3185, 77.2009,
87.4874

 79.3871, 82.4209,
88.0697

 85.6167, 86.7083,
88.5689

 86.3519, 88.1787,
88.8139

Harmonies

Analogous

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



40.1654, 56.0049, 62.0016



41.9265, 56.0049, 84.9442



46.6729, 56.0049, 104.5273

Triad

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



41.9265, 56.0049, 84.9442



66.8161, 56.0049, 82.7678



52.8770, 56.0049, 28.4934

Complementary

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



41.9265, 56.0049, 84.9442



38.6224, 25.6986, 9.9475

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.



60.3763, 56.0049, 31.6001



41.9265, 56.0049, 84.9442



68.8610, 56.0049, 59.9693

Square

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



41.9265, 56.0049, 84.9442



61.0471, 56.0049, 103.0787



66.4041, 56.0049, 42.0084



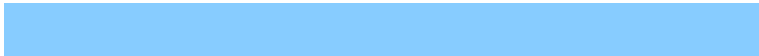
46.1122, 56.0049, 32.2602

Rectangle

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



41.9265, 56.0049, 84.9442



51.1240, 56.0049, 111.1601



66.4041, 56.0049, 42.0084



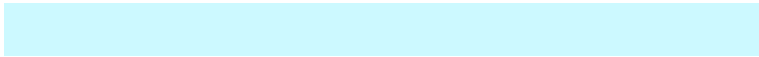
55.3951, 56.0049, 28.7629

Sweetspot

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



41.9283, 56.0070, 84.9455



76.9534, 88.0605, 107.5492



33.8724, 60.0738, 20.0522



16.0083, 18.5327, 22.9834



0.0000, 0.0000, 0.0000



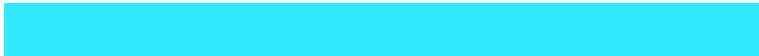
20.3446, 21.4041, 23.3091

Same Dimension

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



41.9283, 56.0070, 84.9455



48.4487, 65.9908, 104.7917



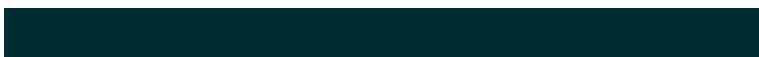
26.8605, 25.8714, 79.9229



14.6654, 16.0521, 18.4698



20.4712, 28.0046, 46.7096



1.5515, 2.1470, 3.4646

Inverse Universe

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



48.1998, 27.3715, 67.0350



57.0786, 29.4896, 79.4956



48.9946, 46.4431, 13.4050



14.9234, 14.5866, 17.7972



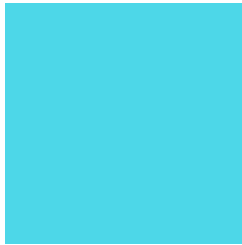
24.7264, 12.0248, 33.7840



1.8468, 0.8964, 2.5996

Previews

White Background



This preview shows how the XYZ color 41.9265, 56.0049, 84.9442 looks on a white background.

Color Contrast Check

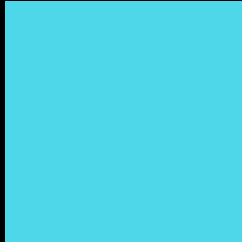
Large Text (above 18pt) WCAG AA × Fail

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 41.9265, 56.0049, 84.9442 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

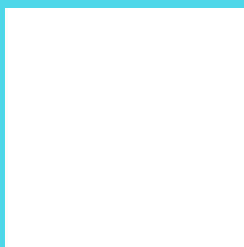
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9265, 56.0049, 84.9442

Background



This preview shows how black text looks on a background with the XYZ color 41.9265, 56.0049, 84.9442.



This preview shows how white text looks on a background with the XYZ color 41.9265, 56.0049,

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

41.9265, 56.0049, 84.9442

Protanopia

54.0703, 55.0355, 74.7909

Deuteranopia

56.3838, 55.2830, 87.8197



Tritanopia

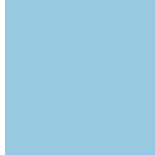
41.9265, 56.0049, 84.9442

Trichromacy



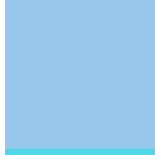
Original Color

41.9265, 56.0049, 84.9442



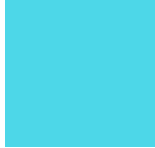
Protanomaly

47.3376, 54.2022, 78.4881



Deuteranomaly

48.4122, 53.8860, 86.4467



Tritanomaly

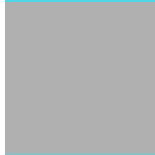
41.9265, 56.0049, 84.9442

Monochromacy



Original Color

41.9265, 56.0049, 84.9442



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

39.1925, 46.3879, 59.1126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9265, 56.0049, 84.9442 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(77, 215, 232)` looks like.

```
.text, #text, p{  
    color:rgb(77, 215, 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(77, 215, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 215, 232) }
```

Border

The CSS property to change the border of an element to XYZ 41.9265, 56.0049, 84.9442 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(77, 215, 232) }
```


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

```
.border{ border-color:rgb(77, 215, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 215, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 215, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 215, 232);  
box-shadow:4px 4px 4px 4px rgb(77, 215,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9265, 56.0049, 84.9442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 215, 232) }
```

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

```
.background{ background-color: rgb(77, 215,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor