

Converting Colors

XYZ(43.6941, 63.7793, 86.5275)

Have a look what the booklet for
XYZ(43.6941, 63.7793, 86.5275)
contains.

XYZ(43.5881, 63.6250, 86.3275)	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(43.5881, 63.6250,
86.3275)**

Conversions

Conversions Part 1

Format	Color
Hex	0DE8E8
RGB	13, 232, 232
RGB Percent	5%, 91%, 91%
CMY	0.9488, 0.0902, 0.0902
CMYK	0.94, 0.00, 0.00, 0.09
HSL	180°, 89%, 48%
HSV	180°, 94%, 91%
XYZ	43.5881, 63.6250, 86.3275
YIQ	166.5190, -130.5240, -46.4280

Conversions

Conversions Part 2

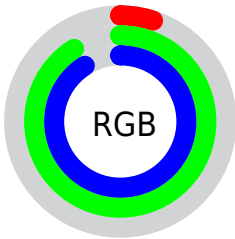
Format	Color
RYB	13, 123, 232
Decimal	911592
CIELab	83.77, -44.46, -13.09
CIELCh	84, 46.352, 196.405
Yxy	63.6250, 0.2252, 0.3287
Android (android.graphics.Color)	4279101672 (0xFF0DE8E8)
YUV	166.5190, 32.2821, -134.6362
Hunter-Lab	79.7653, -42.0471, -8.3320

Details

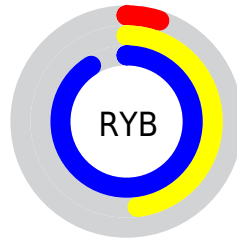
The XYZ color **43.5881, 63.6250, 86.3275** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **33.4974, 17.4748, 1.9901**, and the grayscale version is **36.3989, 38.2944, 41.7026**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **23.3618, 34.1853, 46.4414** is the 20% darker color. If you saturate the color by 10%, you get **43.4233, 63.5414, 86.3212**, and if you desaturate by 10%, it is **44.1597, 63.9210, 86.3558**.

Distribution



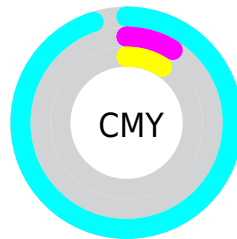
- Red (5%)
- Green (91%)
- Blue (91%)



- Red (5%)
- Yellow (48%)
- Blue (91%)



- Cyan (94%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (95%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5881, 63.6250, 86.3275 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 43.5881, 63.6250, 86.3275 by changing the saturation by 10% instead.

43.5881, 63.6250,
86.3275

43.5881, 63.6250,
86.3275

351.9054,
437.8342, 536.2692

30.5433, 46.3470,
64.3824

79.8478, 110.0707,
144.1170

20.4015, 32.5197,
46.5123

103.7934,
140.0072, 180.7985

12.7972, 21.7588,
32.2987

132.1033,
174.9320, 223.2291

7.3651, 13.6798,
21.3230

165.1430,
215.2295, 271.8275

3.7398, 7.8983,
13.1668

203.2776,
261.2840, 327.0122

1.5560, 4.0299,
7.4114

246.8727,

0.3635, 1.6903,

313.4801, 389.2016

3.6384

296.2935,
372.2020, 458.8145

■ 0.0000, 0.4174,
1.4291

■ 0.0000, 0.0000,
0.1643

■ 43.5881, 63.6250,
86.3275

■ 43.5881, 63.6250,
86.3275

■ 43.4233, 63.5414,
86.3212

■ 44.1597, 63.9210,
86.3558

■ 45.2539, 64.4851,
86.4072

■ 46.9601, 65.3647,
86.4872

■ 49.3499, 66.5967,
86.5991

■ 52.4849, 68.2128,
86.7460

■ 56.4200, 70.2415,
86.9303

■ 61.2049, 72.7082,
87.1543

■ 66.8853, 75.6365,
87.4203

■ 73.5035, 79.0483,
87.7302

Harmonies

Analogous

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



43.3889, 63.6250, 56.9293



43.5881, 63.6250, 86.3275



47.9672, 63.6250, 118.2654

Triad

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



43.5881, 63.6250, 86.3275



75.7698, 63.6250, 115.5130



65.1874, 63.6250, 27.8557

Complementary

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



43.5881, 63.6250, 86.3275



33.4974, 17.4748, 1.9901

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.



74.9844, 63.6250, 36.1185



43.5881, 63.6250, 86.3275



81.5408, 63.6250, 83.2918

Square

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



43.5881, 63.6250, 86.3275



66.1661, 63.6250, 138.0822



81.2383, 63.6250, 54.6335



55.1174, 63.6250, 28.2448

Rectangle

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



43.5881, 63.6250, 86.3275



52.9795, 63.6250, 134.3128



81.2383, 63.6250, 54.6335



68.6431, 63.6250, 29.5862

Sweetspot

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



43.5900, 63.6274, 86.3290



73.4814, 88.8810, 107.8901



29.1564, 57.8607, 10.0141



15.1871, 18.7453, 23.0676



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.



43.5900, 63.6274, 86.3290



53.8097, 78.7399, 106.9683



22.2162, 20.8794, 79.2056



14.8075, 16.3364, 18.5171



24.1061, 35.2746, 47.9206



1.7814, 2.6067, 3.5412

Inverse Universe

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



33.4974, 17.4748, 1.9901



41.2400, 21.2600, 1.9301



39.9352, 30.3504, 4.1359



14.3771, 14.3680, 14.9200



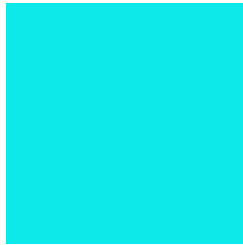
18.4750, 9.5242, 0.8647



1.3652, 0.7038, 0.0639

Previews

White Background



This preview shows how the XYZ color 43.5881, 63.6250, 86.3275 looks on a white background.

Color Contrast Check

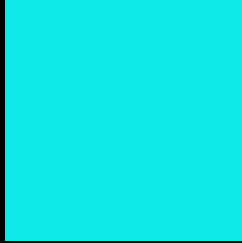
Large Text (above 18pt) WCAG AA × Fail

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 43.5881, 63.6250, 86.3275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

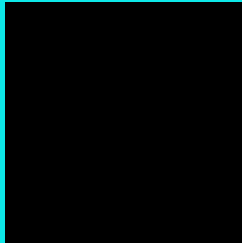
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

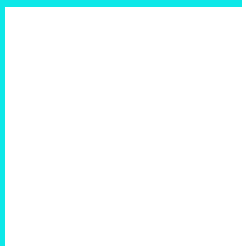
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.5881, 63.6250, 86.3275

Background



This preview shows how black text looks on a background with the XYZ color 43.5881, 63.6250, 86.3275.

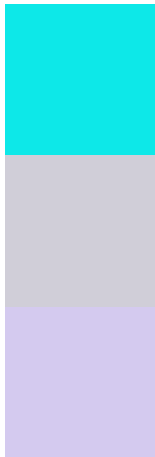


This preview shows how white text looks on a background with the XYZ color 43.5881, 63.6250,

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

43.5881, 63.6250, 86.3275

Protanopia

60.4784, 62.5104, 73.8439

Deuteranopia

63.8519, 62.4701, 90.3539



Tritanopia

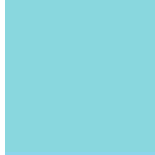
46.2364, 63.8845, 98.7010

Trichromacy



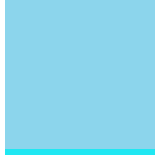
Original Color

43.5881, 63.6250, 86.3275



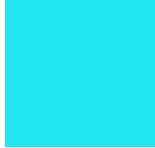
Protanomaly

47.8018, 59.1932, 78.0132



Deuteranomaly

49.7498, 59.2201, 88.1654



Tritanomaly

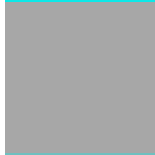
45.1986, 63.8697, 93.9503

Monochromacy



Original Color

43.5881, 63.6250, 86.3275



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.5903, 44.4027, 56.0377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.5881, 63.6250, 86.3275 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(13, 232, 232)` looks like.

```
.text, #text, p{  
    color:rgb(13, 232, 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(13, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 232, 232) }
```

Border

The CSS property to change the border of an element to XYZ 43.5881, 63.6250, 86.3275 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(13, 232, 232) }
```


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

```
.border{ border-color:rgb(13, 232, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 232, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 232, 232);  
box-shadow:4px 4px 4px 4px rgb(13, 232,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 43.5881, 63.6250, 86.3275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 232, 232) }
```

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

```
.background{ background-color: rgb(13, 232,  
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