

Converting Colors

XYZ(31.3812, 52.6755, 88.8011)

Have a look what the booklet for
XYZ(31.3812, 52.6755, 88.8011)
contains.

XYZ(41.1425, 57.8273, 89.1141)	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(41.1425, 57.8273,
89.1141)**

Conversions

Conversions Part 1

Format	Color
Hex	00DDED
RGB	0, 221, 237
RGB Percent	0%, 87%, 93%
CMY	0.9997, 0.1333, 0.0706
CMYK	1.00, 0.07, 0.00, 0.07
HSL	184°, 100%, 46%
HSV	184°, 100%, 93%
XYZ	41.1425, 57.8273, 89.1141
YIQ	156.7450, -136.8520, -41.8760

Conversions

Conversions Part 2

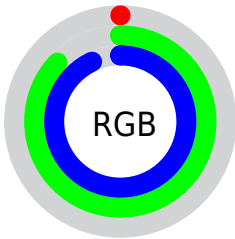
Format	Color
RYB	0, 114, 237
Decimal	56813
CIELab	80.64, -38.33, -20.45
CIELCh	81, 43.450, 208.082
Yxy	57.8273, 0.2187, 0.3075
Android (android.graphics.Color)	4278246893 (0xFF00DDED)
YUV	156.7450, 39.5657, -137.4654
Hunter-Lab	76.0443, -36.5030, -16.2493

Details

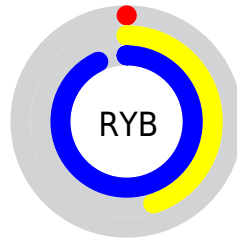
The XYZ color **41.1425, 57.8273, 89.1141** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **35.1121, 18.3774, 1.6984**, and the grayscale version is **31.8147, 33.4715, 36.4505**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.7956, 30.2465, 48.4055** is the 20% darker color. If you saturate the color by 10%, you get **41.1424, 57.8267, 89.1151**, and if you desaturate by 10%, it is **41.9392, 58.8694, 89.2744**.

Distribution



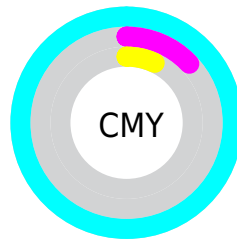
- Red (0%)
- Green (87%)
- Blue (93%)



- Red (0%)
- Yellow (45%)
- Blue (93%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1425, 57.8273, 89.1141 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 41.1425, 57.8273, 89.1141 by changing the saturation by 10% instead.


 41.1425, 57.8273,
89.1141


 41.1425, 57.8273,
89.1141

341.9683,
416.5421, 545.6404


 28.6186, 41.6698,
66.6766


 76.1735, 101.6713,
148.0320

 18.9353, 28.8428,
48.3619


 99.4113, 130.1267,
185.3494

 11.7273, 18.9620,
33.7515


 126.9512,
163.4501, 228.4638

 6.6291, 11.6428,
22.4270

 159.1584,
202.0260, 277.7938

 3.2755, 6.5009,
13.9697

 196.3984,
246.2387, 333.7579

 1.3011, 3.1520,
7.9611

239.0364,

 0.1840, 1.2116,

296.4727, 396.7747

3.9826

287.4380,
353.1124, 467.2627

■ 0.0000, 0.0711,
1.6158

■ 0.0000, 0.0000,
0.3021

■ 41.1425, 57.8273,
89.1141

■ 41.1425, 57.8273,
89.1141

■ 41.1424, 57.8267,
89.1151

■ 41.9392, 58.8694,
89.2744

■ 43.1905, 60.1507,
89.4557

■ 45.0400, 61.7464,
89.6663

■ 47.5714, 63.6997,
89.9098

■ 50.8551, 66.0468,
90.1898

■ 54.9526, 68.8196,
90.5091

■ 59.9193, 72.0465,
90.8701

■ 65.8055, 75.7535,
91.2754

■ 72.6578, 79.9646,
91.7271

Harmonies

Analogous

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



39.5034, 57.8273, 61.3303



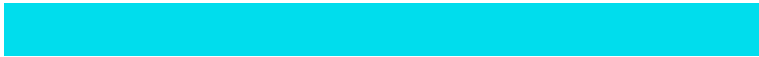
41.1425, 57.8273, 89.1141



46.3623, 57.8273, 114.7107

Triad

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



41.1425, 57.8273, 89.1141



70.8925, 57.8273, 92.7614



55.5406, 57.8273, 25.4505

Complementary

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



41.1425, 57.8273, 89.1141



35.1121, 18.3774, 1.6984

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.



64.5669, 57.8273, 29.7259



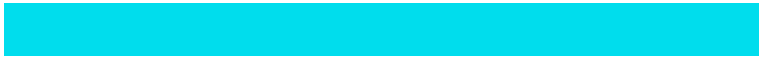
41.1425, 57.8273, 89.1141



74.0068, 57.8273, 64.6267

Square

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



41.1425, 57.8273, 89.1141



63.4635, 57.8273, 117.1868



71.5766, 57.8273, 42.5067



47.2578, 57.8273, 28.7377

Rectangle

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



41.1425, 57.8273, 89.1141



51.4874, 57.8273, 124.5017



71.5766, 57.8273, 42.5067



58.5918, 57.8273, 26.0200

Sweetspot

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



41.1443, 57.8294, 89.1155



70.6593, 85.0127, 107.2927



30.3779, 60.6066, 10.5819



14.5664, 17.8373, 22.9252



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.



41.1443, 57.8294, 89.1155



48.5611, 68.2421, 105.2204



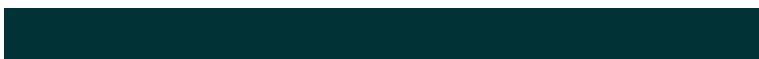
20.1112, 15.7633, 82.1045



15.4255, 16.9375, 19.3785



22.5011, 31.6492, 48.6659



1.7931, 2.5377, 3.8302

Inverse Universe

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



47.9778, 23.2268, 70.3632



56.6406, 27.4202, 83.0284



43.4965, 35.1462, 4.4932



15.6683, 15.2952, 18.8048



26.2128, 12.6878, 38.5175



2.0716, 1.0016, 3.0943

Previews

White Background



This preview shows how the XYZ color 41.1425, 57.8273, 89.1141 looks on a white background.

Color Contrast Check

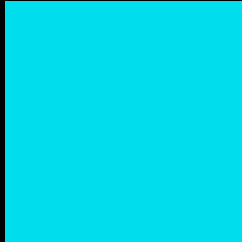
Large Text (above 18pt) WCAG AA × Fail

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 41.1425, 57.8273, 89.1141 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 41.1425, 57.8273, 89.1141

Background



This preview shows how black text looks on a background with the XYZ color 41.1425, 57.8273, 89.1141.

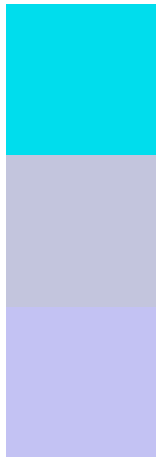


This preview shows how white text looks on a background with the XYZ color 41.1425, 57.8273,

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

41.1425, 57.8273, 89.1141

Protanopia

55.5231, 56.7551, 76.4351

Deuteranopia

57.9751, 56.6567, 92.6742



Tritanopia

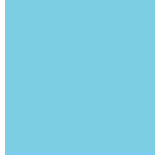
41.6334, 58.0465, 90.6711

Trichromacy



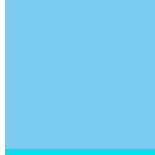
Original Color

41.1425, 57.8273, 89.1141



Protanomaly

44.2486, 53.9738, 80.7589



Deuteranomaly

45.7822, 53.8217, 91.1947



Tritanomaly

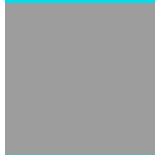
41.4142, 57.9505, 89.8917

Monochromacy



Original Color

41.1425, 57.8273, 89.1141



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

30.4397, 38.8970, 52.3579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1425, 57.8273, 89.1141 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(0, 221, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 237)  
}
```

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(0, 221, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 237) }
```

Border

The CSS property to change the border of an element to XYZ 41.1425, 57.8273, 89.1141 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(0, 221, 237) }
```


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

```
.border{ border-color:rgb(0, 221, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 221, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 221,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1425, 57.8273, 89.1141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 221, 237) }
```

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

```
.background{ background-color: rgb(0, 221,  
237) }
```

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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