

Converting Colors

XYZ(36.2522, 55.2345, 91.9178)

Have a look what the booklet for
XYZ(36.2522, 55.2345, 91.9178)
contains.

XYZ(41.7336, 58.0638, 92.2269)	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(41.7336, 58.0638,
92.2269)**

Conversions

Conversions Part 1

Format	Color
Hex	00DDF1
RGB	0, 221, 241
RGB Percent	0%, 87%, 95%
CMY	0.9998, 0.1333, 0.0549
CMYK	1.00, 0.08, 0.00, 0.05
HSL	185°, 100%, 47%
HSV	185°, 100%, 95%
XYZ	41.7336, 58.0638, 92.2269
YIQ	157.2010, -138.1360, -40.6320

Conversions

Conversions Part 2

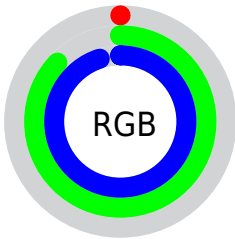
Format	Color
RYB	0, 115, 241
Decimal	56817
CIELab	80.77, -37.10, -22.38
CIELCh	81, 43.327, 211.101
Yxy	58.0638, 0.2173, 0.3024
Android (android.graphics.Color)	4278246897 (0xFF00DDF1)
YUV	157.2010, 41.3129, -137.8653
Hunter-Lab	76.1996, -35.5870, -18.4209

Details

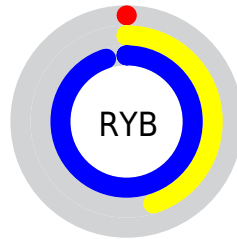
The XYZ color **41.7336, 58.0638, 92.2269** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **36.5277, 19.2036, 1.7832**, and the grayscale version is **32.0118, 33.6789, 36.6763**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.2121, 30.4130, 50.5985** is the 20% darker color. If you saturate the color by 10%, you get **41.7333, 58.0628, 92.2278**, and if you desaturate by 10%, it is **42.6466, 59.3243, 92.4232**.

Distribution



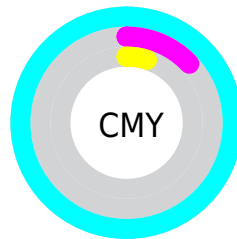
- Red (0%)
- Green (87%)
- Blue (95%)



- Red (0%)
- Yellow (45%)
- Blue (95%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (13%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7336, 58.0638, 92.2269 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 41.7336, 58.0638, 92.2269 by changing the saturation by 10% instead.

41.7336, 58.0638,
92.2269

41.7336, 58.0638,
92.2269

344.3879,
417.4236, 556.0045

29.0829, 41.8599,
69.2450

77.0640, 102.0158,
152.3903

19.2882, 28.9916,
50.4383

100.4744,
130.5327, 190.4088

11.9839, 19.0745,
35.3882

128.2022,
163.9227, 234.2767

6.8049, 11.7241,
23.6761

160.6126,
202.5702, 284.4124

3.3856, 6.5561,
14.8835

198.0710,
246.8597, 341.2345

1.3608, 3.1861,
8.5920

240.9428,

0.2280, 1.2296,

297.1755, 405.1615

4.3829

289.5933,
353.9020, 476.6120

■ 0.0000, 0.0857,
1.8376

■ 0.0000, 0.0000,
0.4526

■ 41.7336, 58.0638,
92.2269

■ 41.7336, 58.0638,
92.2269

■ 41.7333, 58.0628,
92.2278

■ 42.6466, 59.3243,
92.4232

■ 44.0350, 60.8382,
92.6422

■ 46.0472, 62.6831,
92.8923

■ 48.7707, 64.9041,
93.1774

■ 52.2787, 67.5390,
93.5011

■ 56.6356, 70.6209,
93.8664

■ 61.8988, 74.1797,
94.2759

■ 68.1208, 78.2423,
94.7321

■ 75.3502, 82.8338,
95.2373

Harmonies

Analogous

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



39.7178, 58.0638, 64.1725



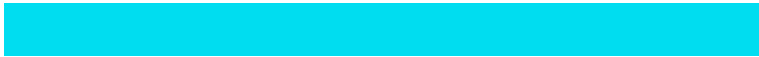
41.7336, 58.0638, 92.2269



47.2873, 58.0638, 116.8845

Triad

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



41.7336, 58.0638, 92.2269



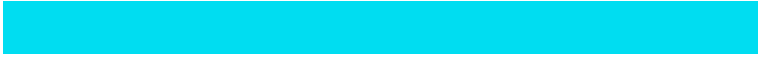
71.6540, 58.0638, 90.1350



54.8582, 58.0638, 25.6578

Complementary

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



41.7336, 58.0638, 92.2269



36.5277, 19.2036, 1.7832

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.



63.9229, 58.0638, 29.1633



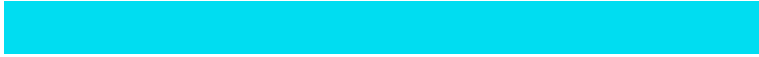
41.7336, 58.0638, 92.2269



74.2291, 58.0638, 62.2802

Square

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



41.7336, 58.0638, 92.2269



64.5561, 58.0638, 115.4650



71.2615, 58.0638, 41.0411



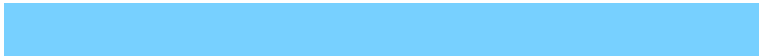
46.7730, 58.0638, 29.7318

Rectangle

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



41.7336, 58.0638, 92.2269



52.5701, 58.0638, 125.4303



71.2615, 58.0638, 41.0411



57.8912, 58.0638, 25.9791

Sweetspot

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



41.7354, 58.0659, 92.2283



70.2928, 84.2797, 107.1705



31.5510, 62.9496, 10.9827



14.4773, 17.6591, 22.8955



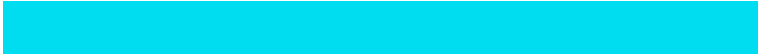
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



41.7354, 58.0659, 92.2283



47.4258, 65.9715, 104.8419



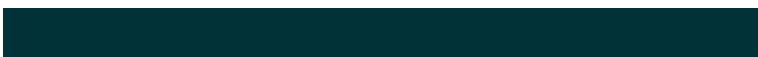
20.8759, 16.3467, 85.2751



16.1286, 17.6913, 20.2863



22.6792, 31.5827, 50.0286



1.9196, 2.6931, 4.1729

Inverse Universe

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



49.3283, 23.9230, 70.4265



56.0675, 27.1910, 80.0107



45.1646, 36.4774, 4.6622



16.3944, 16.0075, 19.6329



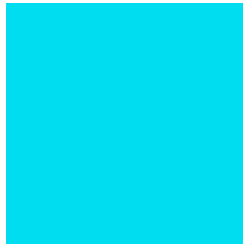
26.7730, 12.9816, 38.3169



2.2439, 1.0866, 3.2750

Previews

White Background



This preview shows how the XYZ color 41.7336, 58.0638, 92.2269 looks on a white background.

Color Contrast Check

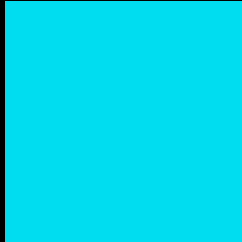
Large Text (above 18pt) WCAG AA × Fail

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 41.7336, 58.0638, 92.2269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

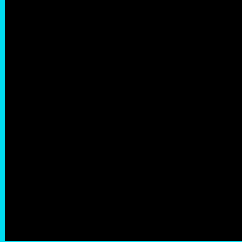
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7336, 58.0638, 92.2269

Background



This preview shows how black text looks on a background with the XYZ color 41.7336, 58.0638, 92.2269.

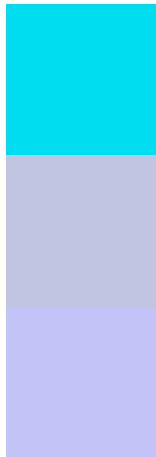


This preview shows how white text looks on a background with the XYZ color 41.7336, 58.0638,

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

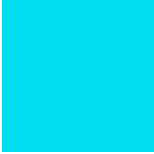
41.7336, 58.0638, 92.2269

Protanopia

55.8050, 56.8381, 79.2638

Deuteranopia

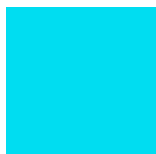
58.5517, 57.2149, 95.9533



Tritanopia

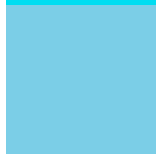
41.4364, 57.9449, 90.6619

Trichromacy



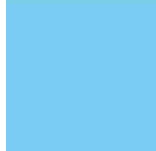
Original Color

41.7336, 58.0638, 92.2269



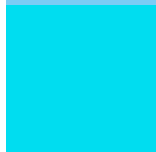
Protanomaly

44.6635, 54.1231, 83.6941



Deuteranomaly

46.2427, 53.9893, 94.3699



Tritanomaly

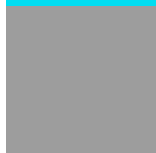
41.5846, 58.0042, 91.4423

Monochromacy



Original Color

41.7336, 58.0638, 92.2269



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

30.6539, 38.9827, 53.4857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7336, 58.0638, 92.2269 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 241) }
```

Border

The CSS property to change the border of an element to XYZ 41.7336, 58.0638, 92.2269 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, 241) }
```


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

```
.border{ border-color:rgb(0, 221, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 221,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7336, 58.0638, 92.2269 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, 241) }
```

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

```
.background{ background-color: rgb(0, 221,  
241) }
```

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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