

Converting Colors

XYZ(42.2649, 59.4360, 91.4493)

Have a look what the booklet for
XYZ(42.2649, 59.4360, 91.4493)
contains.

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Color

**XYZ(42.3838, 59.6026,
91.7087)**

Conversions

Conversions Part 1

Format	Color
Hex	00E0F0
RGB	0, 224, 240
RGB Percent	0%, 88%, 94%
CMY	0.9998, 0.1216, 0.0588
CMYK	1.00, 0.07, 0.00, 0.06
HSL	184°, 100%, 47%
HSV	184°, 100%, 94%
XYZ	42.3838, 59.6026, 91.7087
YIQ	158.8480, -138.6400, -42.5120

Conversions

Conversions Part 2

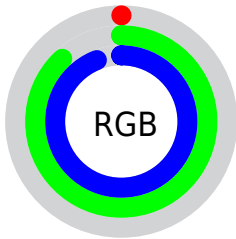
Format	Color
RYB	0, 116, 240
Decimal	57584
CIELab	81.62, -38.79, -20.56
CIELCh	82, 43.903, 207.931
Yxy	59.6026, 0.2188, 0.3077
Android (android.graphics.Color)	4278247664 (0xFF00E0F0)
YUV	158.8480, 40.0079, -139.3097
Hunter-Lab	77.2027, -37.1094, -16.3884

Details

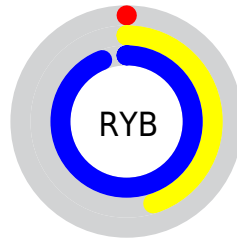
The XYZ color **42.3838, 59.6026, 91.7087** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light saturated cyan. A complement of this color would be **36.1222, 18.8980, 1.7456**, and the grayscale version is **32.7628, 34.4690, 37.5367**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **22.6544, 31.4660, 50.2269** is the 20% darker color. If you saturate the color by 10%, you get **42.3838, 59.6022, 91.7097**, and if you desaturate by 10%, it is **43.1952, 60.6636, 91.8719**.

Distribution



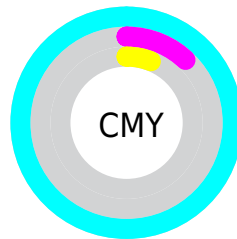
- Red (0%)
- Green (88%)
- Blue (94%)



- Red (0%)
- Yellow (45%)
- Blue (94%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (12%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3838, 59.6026, 91.7087 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 42.3838, 59.6026, 91.7087 by changing the saturation by 10% instead.

42.3838, 59.6026,
91.7087

42.3838, 59.6026,
91.7087

347.0361,
423.1314, 554.2865

29.5944, 43.0984,
68.8170

78.0417, 104.2530,
151.6658

19.6774, 29.9623,
50.0919

101.6408,
133.1679, 189.5683

12.2677, 19.8100,
35.1147

129.5739,
166.9886, 233.3114

6.9998, 12.2570,
23.4670

162.2063,
206.0994, 283.3138

3.5083, 6.9190,
14.7302

199.9034,
250.8847, 339.9940

1.4279, 3.4115,
8.4857

243.0305,

0.2760, 1.3501,

301.7288, 403.7705

4.3151

291.9529,
359.0163, 475.0618

■ 0.0000, 0.1795,
1.7997

■ 0.0000, 0.0000,
0.4278

■ 42.3838, 59.6026,
91.7087

■ 42.3838, 59.6026,
91.7087

■ 42.3838, 59.6022,
91.7097

■ 43.1952, 60.6636,
91.8719

■ 44.4751, 61.9709,
92.0567

■ 46.3706, 63.6016,
92.2716

■ 48.9682, 65.6004,
92.5205

■ 52.3406, 68.0046,
92.8068

■ 56.5513, 70.8470,
93.1335

■ 61.6572, 74.1571,
93.5033

■ 67.7103, 77.9616,
93.9186

■ 74.7586, 82.2853,
94.3817

Harmonies

Analogous

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



40.7135, 59.6026, 63.0806



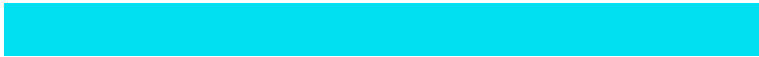
42.3838, 59.6026, 91.7087



47.7477, 59.6026, 118.1440

Triad

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



42.3838, 59.6026, 91.7087



73.0444, 59.6026, 95.7666



57.2932, 59.6026, 26.2266

Complementary

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



42.3838, 59.6026, 91.7087



36.1222, 18.8980, 1.7456

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.



66.5964, 59.6026, 30.6744



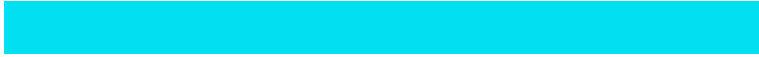
42.3838, 59.6026, 91.7087



76.2828, 59.6026, 66.7481

Square

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



42.3838, 59.6026, 91.7087



65.3687, 59.6026, 120.8990



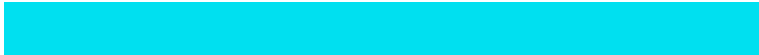
73.8055, 59.6026, 43.8980



48.7441, 59.6026, 29.5752

Rectangle

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



42.3838, 59.6026, 91.7087



53.0231, 59.6026, 128.3018



73.8055, 59.6026, 43.8980



60.4396, 59.6026, 26.8266

Sweetspot

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



42.3857, 59.6048, 91.7102



70.6794, 85.0529, 107.2994



31.2553, 62.3590, 10.8816



14.5713, 17.8471, 22.9268



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.



42.3857, 59.6048, 91.7102



48.6238, 68.3676, 105.2413



20.6831, 16.1995, 84.4759



16.1519, 17.7379, 20.2941



23.2405, 32.7053, 50.2157



1.9604, 2.7747, 4.1865

Inverse Universe

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



49.3913, 23.9089, 72.5349



56.6723, 27.4329, 83.1951



44.7441, 36.1417, 4.6195



16.4061, 16.0122, 19.6947



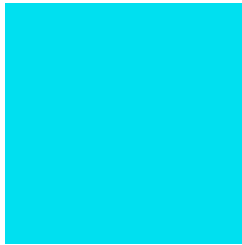
27.0564, 13.0950, 39.8089



2.2644, 1.0948, 3.3834

Previews

White Background



This preview shows how the XYZ color 42.3838, 59.6026, 91.7087 looks on a white background.

Color Contrast Check

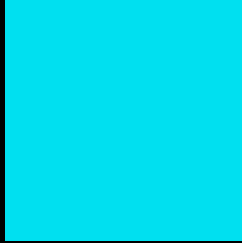
Large Text (above 18pt) WCAG AA × Fail

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 42.3838, 59.6026, 91.7087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

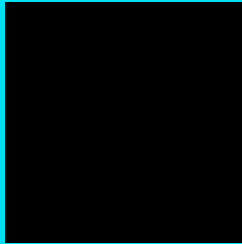
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3838, 59.6026, 91.7087

Background



This preview shows how black text looks on a background with the XYZ color 42.3838, 59.6026, 91.7087.



This preview shows how white text looks on a background with the XYZ color 42.3838, 59.6026,

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

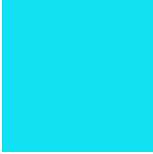
42.3838, 59.6026, 91.7087

Protanopia

57.3975, 58.6961, 78.8253

Deuteranopia

59.8895, 58.5921, 95.3417



Tritanopia

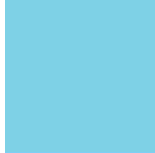
42.8964, 59.8323, 93.2923

Trichromacy



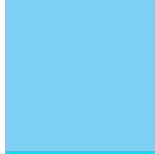
Original Color

42.3838, 59.6026, 91.7087



Protanomaly

45.6876, 55.7497, 83.2157



Deuteranomaly

47.2461, 55.5929, 93.8283



Tritanomaly

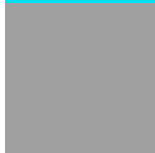
42.6580, 59.7267, 92.4992

Monochromacy



Original Color

42.3838, 59.6026, 91.7087



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

31.3774, 40.2645, 53.6950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3838, 59.6026, 91.7087 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, 224, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 240)  
}
```

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, 224, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 240) }
```

Border

The CSS property to change the border of an element to XYZ 42.3838, 59.6026, 91.7087 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, 224, 240) }
```


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

```
.border{ border-color:rgb(0, 224, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3838, 59.6026, 91.7087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 240) }
```

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

```
.background{ background-color: rgb(0, 224,  
240) }
```

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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