

Converting Colors

XYZ(41.8194, 57.5119, 94.4860)

Have a look what the booklet for
XYZ(41.8194, 57.5119, 94.4860)
contains.

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Color

**XYZ(41.9223, 57.7181,
94.5191)**

Conversions

Conversions Part 1

Format	Color
Hex	00DCF4
RGB	0, 220, 244
RGB Percent	0%, 86%, 96%
CMY	0.9998, 0.1372, 0.0431
CMYK	1.00, 0.10, 0.00, 0.04
HSL	186°, 100%, 48%
HSV	186°, 100%, 96%
XYZ	41.9223, 57.7181, 94.5191
YIQ	156.9560, -138.8240, -39.1760

Conversions

Conversions Part 2

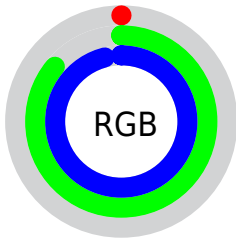
Format	Color
RYB	0, 116, 244
Decimal	56564
CIELab	80.58, -35.70, -24.27
CIELCh	81, 43.165, 214.208
Yxy	57.7181, 0.2159, 0.2973
Android (android.graphics.Color)	4278246644 (0xFF00DCF4)
YUV	156.9560, 42.9127, -137.6504
Hunter-Lab	75.9724, -34.4538, -20.5834

Details

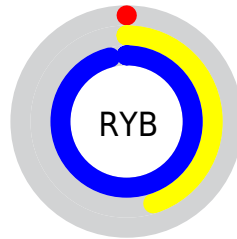
The XYZ color **41.9223, 57.7181, 94.5191** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **37.6370, 19.8893, 1.8571**, and the grayscale version is **31.8951, 33.5562, 36.5427**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **22.3526, 30.1818, 52.2245** is the 20% darker color. If you saturate the color by 10%, you get **41.9217, 57.7165, 94.5199**, and if you desaturate by 10%, it is **42.9457, 59.1888, 94.7502**.

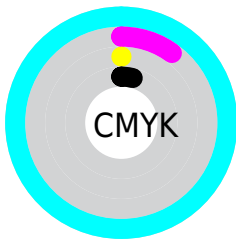
Distribution



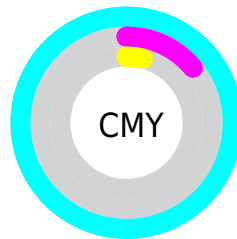
- Red (0%)
- Green (86%)
- Blue (96%)



- Red (0%)
- Yellow (45%)
- Blue (96%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (14%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9223, 57.7181, 94.5191 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 41.9223, 57.7181, 94.5191 by changing the saturation by 10% instead.

41.9223, 57.7181,
94.5191

41.9223, 57.7181,
94.5191

345.1578,
416.1347, 563.5692

29.2313, 41.5821,
71.1401

77.3479, 101.5122,
155.5899

19.4010, 28.7742,
51.9740

100.8132,
129.9391, 194.1188

12.0661, 18.9101,
36.6023

128.6007,
163.2317, 238.5348

6.8612, 11.6053,
24.6063

161.0757,
201.7745, 289.2563

3.4210, 6.4755,
15.5676

198.6036,
245.9518, 346.7020

1.3801, 3.1363,
9.0677

241.5496,

0.2420, 1.2033,

296.1480, 411.2904

4.6880

290.2793,
352.7475, 483.4399

■ 0.0000, 0.0644,
2.0098

■ 0.0000, 0.0000,
0.5613

■ 41.9223, 57.7181,
94.5191

■ 41.9223, 57.7181,
94.5191

■ 41.9217, 57.7165,
94.5199

■ 42.9457, 59.1888,
94.7502

■ 44.4616, 60.9258,
95.0055

■ 46.6221, 63.0086,
95.2937

■ 49.5171, 65.4837,
95.6188

■ 53.2226, 68.3902,
95.9845

■ 57.8046, 71.7623,
96.3939

■ 63.3225, 75.6307,
96.8498

■ 69.8304, 80.0232,
97.3546

■ 77.3784, 84.9657,
97.9108

Harmonies

Analogous

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



39.5399, 57.7181, 66.4995



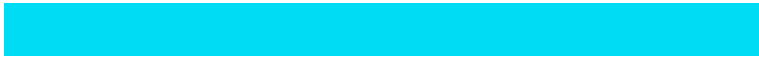
41.9223, 57.7181, 94.5191



47.7642, 57.7181, 117.9173

Triad

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



41.9223, 57.7181, 94.5191



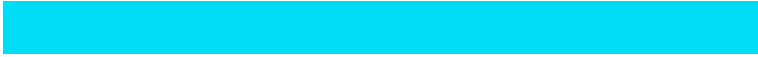
71.7030, 57.7181, 86.5986



53.6168, 57.7181, 25.6195

Complementary

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



41.9223, 57.7181, 94.5191



37.6370, 19.8893, 1.8571

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.



62.6244, 57.7181, 28.3132



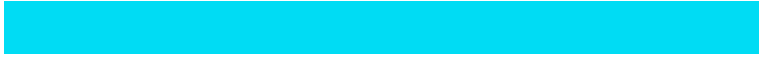
41.9223, 57.7181, 94.5191



73.6985, 57.7181, 59.3273

Square

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



41.9223, 57.7181, 94.5191



65.0230, 57.7181, 112.5462



70.2167, 57.7181, 39.1793



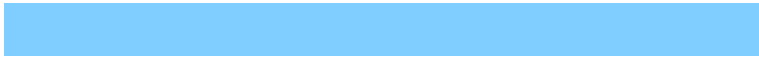
45.8141, 57.7181, 30.4731

Rectangle

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



41.9223, 57.7181, 94.5191



53.1550, 57.7181, 125.0850



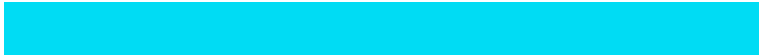
70.2167, 57.7181, 39.1793



56.5997, 57.7181, 25.6843

Sweetspot

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



41.9242, 57.7202, 94.5205



69.9310, 83.5561, 107.0499



32.4817, 64.7545, 11.4672



14.3895, 17.4834, 22.8662



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.



41.9242, 57.7202, 94.5205



46.3227, 63.7655, 104.4742



21.0525, 15.9768, 87.5633



16.8492, 18.4627, 21.2182



22.8514, 31.4966, 51.4131



2.0480, 2.8474, 4.5319

Inverse Universe

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



50.2281, 24.4022, 69.7751



55.5108, 26.9683, 77.0789



47.0358, 38.6869, 4.9901



17.1392, 16.7385, 20.4797



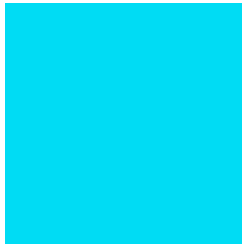
27.3389, 13.2790, 38.0883



2.4228, 1.1751, 3.4528

Previews

White Background



This preview shows how the XYZ color 41.9223, 57.7181, 94.5191 looks on a white background.

Color Contrast Check

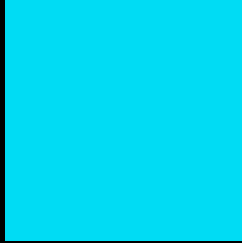
Large Text (above 18pt) WCAG AA × Fail

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 41.9223, 57.7181, 94.5191 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 41.9223, 57.7181, 94.5191

Background



This preview shows how black text looks on a background with the XYZ color 41.9223, 57.7181, 94.5191.

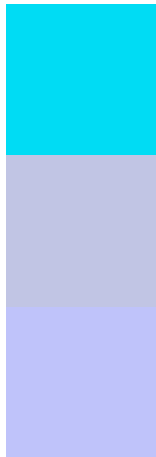


This preview shows how white text looks on a background with the XYZ color 41.9223, 57.7181,

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

41.9223, 57.7181, 94.5191

Protanopia

55.9622, 56.8714, 81.4265

Deuteranopia

58.2563, 57.0087, 98.3758



Tritanopia

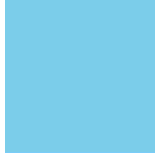
41.2891, 57.8859, 89.8859

Trichromacy



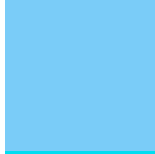
Original Color

41.9223, 57.7181, 94.5191



Protanomaly

44.8510, 53.8141, 85.8652



Deuteranomaly

46.5622, 54.1006, 96.7953



Tritanomaly

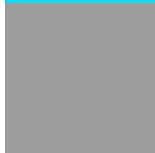
41.5846, 58.0042, 91.4423

Monochromacy



Original Color

41.9223, 57.7181, 94.5191



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

30.7621, 39.0260, 54.0555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9223, 57.7181, 94.5191 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, 220, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 220, 244)  
}
```

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, 220, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 220, 244) }
```

Border

The CSS property to change the border of an element to XYZ 41.9223, 57.7181, 94.5191 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, 220, 244) }
```


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

```
.border{ border-color:rgb(0, 220, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 220, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 220, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 220, 244); box-shadow:4px 4px 4px 4px rgb(0, 220, 244) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9223, 57.7181, 94.5191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 220, 244) }
```

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

```
.background{ background-color: rgb(0, 220,  
244) }
```

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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