

Converting Colors

XYZ(34.1093, 43.0535, 88.9504)

Have a look what the booklet for
XYZ(34.1093, 43.0535, 88.9504)
contains.

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Color

**XYZ(34.1416, 43.1182,
88.9613)**

Conversions

Conversions Part 1

Format	Color
Hex	00BEF0
RGB	0, 190, 240
RGB Percent	0%, 75%, 94%
CMY	0.9998, 0.2549, 0.0588
CMYK	1.00, 0.21, 0.00, 0.06
HSL	193°, 100%, 47%
HSV	193°, 100%, 94%
XYZ	34.1416, 43.1182, 88.9613
YIQ	138.8900, -129.2900, -24.7300

Conversions

Conversions Part 2

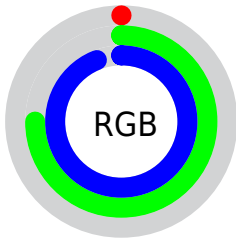
Format	Color
RYB	0, 106, 240
Decimal	48880
CIELab	71.64, -22.31, -35.88
CIELCh	72, 42.248, 238.125
Yxy	43.1182, 0.2054, 0.2594
Android (android.graphics.Color)	4278238960 (0xFF00BEF0)
YUV	138.8900, 49.8472, -121.8065
Hunter-Lab	65.6645, -22.1034, -34.3602

Details

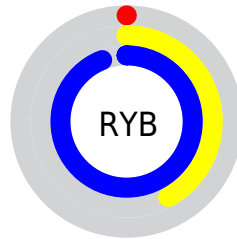
The XYZ color **34.1416, 43.1182, 88.9613** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **37.0791, 20.8120, 2.0646**, and the grayscale version is **24.3559, 25.6243, 27.9049**.

A 20% lighter version of the original color is **57.4362, 76.4465, 106.3362**, and **17.4559, 21.0690, 48.4941** is the 20% darker color. If you saturate the color by 10%, you get **34.1395, 43.1137, 88.9614**, and if you desaturate by 10%, it is **35.6224, 45.5181, 89.3474**.

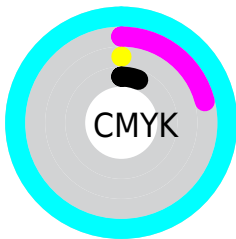
Distribution



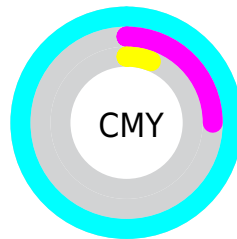
- Red (0%)
- Green (75%)
- Blue (94%)



- Red (0%)
- Yellow (42%)
- Blue (94%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (25%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1416, 43.1182, 88.9613 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 34.1416, 43.1182, 88.9613 by changing the saturation by 10% instead.

34.1416, 43.1182,
88.9613

34.1416, 43.1182,
88.9613

312.3378,
359.0976, 545.1289

23.1658, 29.9779,
66.5506

65.4966, 79.8892,
147.8176

14.8374, 19.8218,
48.2602

86.6066, 104.2887,
185.1004

8.7909, 12.2656,
33.6716

111.8253,
133.2099, 228.1775

4.6611, 6.9248,
22.3661

141.5181,
167.0374, 277.4677

2.0825, 3.4151,
13.9252

176.0505,
206.1556, 333.3894

0.6797, 1.3521,
7.9305

215.7876,

0.0000, 0.1810,

250.9487, 396.3611

3.9634

261.0949,
301.8013, 466.8014

■ 0.0000, 0.0000,
1.6053

■ 0.0000, 0.0000,
0.2946

■ 34.1416, 43.1182,
88.9613

■ 34.1416, 43.1182,
88.9613

■ 34.1395, 43.1137,
88.9614

■ 35.6224, 45.5181,
89.3474

■ 37.6056, 48.2320,
89.7667

■ 40.2382, 51.3369,
90.2272

■ 43.6071, 54.8782,
90.7332

■ 47.7852, 58.8939,
91.2881

■ 52.8365, 63.4175,
91.8950

■ 58.8181, 68.4791,
92.5567

■ 65.7825, 74.1061,
93.2758

■ 73.7777, 80.3238,
94.0545

Harmonies

Analogous

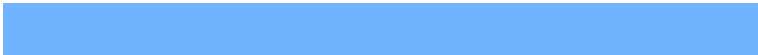
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.0122, 43.1182, 68.0677



34.1416, 43.1182, 88.9613



40.5344, 43.1182, 98.3337

Triad

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



34.1416, 43.1182, 88.9613



56.3198, 43.1182, 48.2484



34.8360, 43.1182, 20.0774

Complementary

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



34.1416, 43.1182, 88.9613



37.0791, 20.8120, 2.0646

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.



41.4340, 43.1182, 17.5627



34.1416, 43.1182, 88.9613



54.3453, 43.1182, 30.7231

Square

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



34.1416, 43.1182, 88.9613



53.8042, 43.1182, 70.9661



48.6812, 43.1182, 20.8176



30.3791, 43.1182, 29.0718

Rectangle

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



34.1416, 43.1182, 88.9613



45.4111, 43.1182, 95.2029



48.6812, 43.1182, 20.8176



36.8518, 43.1182, 18.5856

Sweetspot

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



34.1431, 43.1197, 88.9624



67.4088, 78.5117, 106.2092



31.6957, 62.5351, 13.2016



13.7793, 16.2630, 22.6628



0.0000, 0.0000, 0.0000



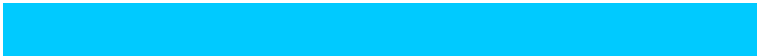
20.3446, 21.4041, 23.3091

Same Dimension

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



34.1431, 43.1197, 88.9624



39.1384, 49.3968, 102.0795



18.0493, 10.9321, 83.5978



15.9514, 17.3370, 20.2273



18.7875, 23.7992, 48.7314



1.6323, 2.1186, 4.0771

Inverse Universe

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



45.2308, 22.2446, 50.6263



51.8844, 25.5178, 57.9829



49.9421, 46.5380, 6.3523



16.3049, 15.9717, 19.1620



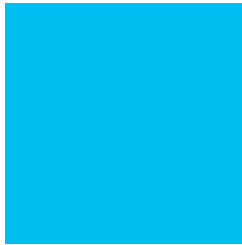
24.8087, 12.1959, 27.9727



2.0988, 1.0286, 2.5114

Previews

White Background



This preview shows how the XYZ color 34.1416, 43.1182, 88.9613 looks on a white background.

Color Contrast Check

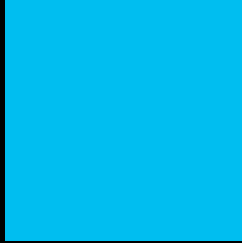
Large Text (above 18pt) WCAG AA × Fail

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 34.1416, 43.1182, 88.9613 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 34.1416, 43.1182, 88.9613

Background



This preview shows how black text looks on a background with the XYZ color 34.1416, 43.1182, 88.9613.

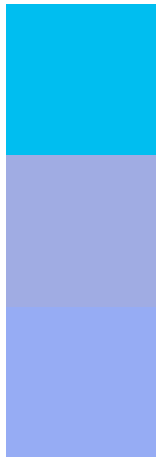


This preview shows how white text looks on a background with the XYZ color 34.1416, 43.1182,

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

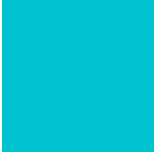
34.1416, 43.1182, 88.9613

Protanopia

43.1149, 42.5247, 78.6087

Deuteranopia

43.6593, 42.5207, 91.4942



Tritanopia

30.8004, 43.1870, 67.0342

Trichromacy



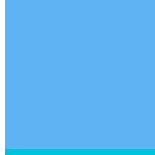
Original Color

34.1416, 43.1182, 88.9613



Protanomaly

36.1651, 40.8912, 82.3306



Deuteranomaly

37.0171, 41.1442, 90.7846



Tritanomaly

31.9882, 43.3072, 74.3833

Monochromacy



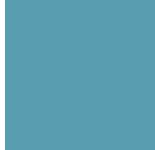
Original Color

34.1416, 43.1182, 88.9613



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

24.0878, 29.6630, 45.5303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1416, 43.1182, 88.9613 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, 190, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 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, 190, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 240) }
```

Border

The CSS property to change the border of an element to XYZ 34.1416, 43.1182, 88.9613 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, 190, 240) }
```


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

```
.border{ border-color:rgb(0, 190, 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, 190, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1416, 43.1182, 88.9613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 240) }
```

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

```
.background{ background-color: rgb(0, 190,  
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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