

Converting Colors

XYZ(20.1998, 33.9504, 93.3507)

Have a look what the booklet for
XYZ(20.1998, 33.9504, 93.3507)
contains.

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Color

**XYZ(33.9290, 40.9964,
94.1205)**

Conversions

Conversions Part 1

Format	Color
Hex	00B8F7
RGB	0, 184, 247
RGB Percent	0%, 72%, 97%
CMY	0.9997, 0.2784, 0.0314
CMYK	1.00, 0.26, 0.00, 0.03
HSL	195°, 100%, 48%
HSV	195°, 100%, 97%
XYZ	33.9290, 40.9964, 94.1205
YIQ	136.1660, -129.8870, -19.4150

Conversions

Conversions Part 2

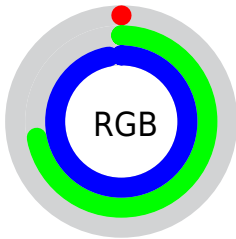
Format	Color
RYB	0, 105, 247
Decimal	47351
CIELab	70.17, -16.75, -41.94
CIELCh	70, 45.164, 248.233
Yxy	40.9964, 0.2007, 0.2425
Android (android.graphics.Color)	4278237431 (0xFF00B8F7)
YUV	136.1660, 54.6412, -119.4176
Hunter-Lab	64.0284, -17.4617, -42.3352

Details

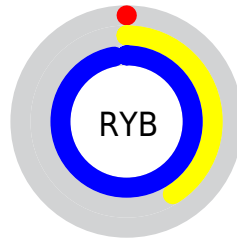
The XYZ color **33.9290, 40.9964, 94.1205** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **40.1399, 23.3373, 2.3910**, and the grayscale version is **23.3090, 24.5229, 26.7054**.

A 20% lighter version of the original color is **55.7656, 72.9197, 105.7435**, and **17.4106, 19.9503, 51.6484** is the 20% darker color. If you saturate the color by 10%, you get **33.9258, 40.9897, 94.1202**, and if you desaturate by 10%, it is **35.6633, 43.8779, 94.5861**.

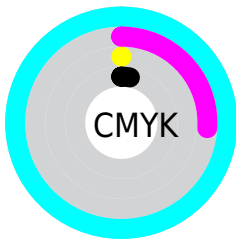
Distribution



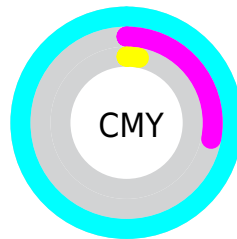
- Red (0%)
- Green (72%)
- Blue (97%)



- Red (0%)
- Yellow (41%)
- Blue (97%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (28%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9290, 40.9964, 94.1205 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 33.9290, 40.9964, 94.1205 by changing the saturation by 10% instead.

33.9290, 40.9964,
94.1205

33.9290, 40.9964,
94.1205

311.4068,
350.3056, 562.2578

23.0017, 28.3163,
70.8103

65.1683, 76.6784,
155.0341

14.7155, 18.5642,
51.7066

86.2109, 100.4491,
193.4746

8.7049, 11.3558,
36.3906

111.3561,
128.6855, 237.7956

4.6048, 6.3067,
24.4439

140.9691,
161.7718, 288.4158

2.0497, 3.0325,
15.4480

175.4153,
200.0926, 345.7535

0.6616, 1.1487,
8.9843

215.0601,

0.0000, 0.0192,

244.0323, 410.2274

4.6343

260.2689,
293.9751, 482.2559

■ 0.0000, 0.0000,
1.9794

■ 0.0000, 0.0000,
0.5425

■ 33.9290, 40.9964,
94.1205

■ 33.9290, 40.9964,
94.1205

■ 33.9258, 40.9897,
94.1202

■ 35.6633, 43.8779,
94.5861

■ 37.9549, 47.1338,
95.0938

■ 40.9600, 50.8462,
95.6520

■ 44.7720, 55.0644,
96.2653

■ 49.4698, 59.8301,
96.9375

■ 55.1222, 65.1797,
97.6722

■ 61.7909, 71.1461,
98.4724

■ 69.5324, 77.7594,
99.3408

■ 78.3988, 85.0474,
100.2802

Harmonies

Analogous

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



28.8333, 40.9964, 74.8672



33.9290, 40.9964, 94.1205



41.0370, 40.9964, 98.2624

Triad

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



33.9290, 40.9964, 94.1205



54.7941, 40.9964, 39.0587



30.8147, 40.9964, 19.6897

Complementary

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



33.9290, 40.9964, 94.1205



40.1399, 23.3373, 2.3910

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.



36.9656, 40.9964, 15.2552



33.9290, 40.9964, 94.1205



51.2312, 40.9964, 23.8877

Square

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



33.9290, 40.9964, 94.1205



53.7131, 40.9964, 61.4993



44.4780, 40.9964, 16.5013



27.1999, 40.9964, 31.1802

Rectangle

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



33.9290, 40.9964, 94.1205



46.0841, 40.9964, 90.9654



44.4780, 40.9964, 16.5013



32.6211, 40.9964, 17.5212

Sweetspot

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



33.9305, 40.9978, 94.1215



66.3717, 76.4376, 105.8635



34.1261, 66.8683, 15.6375



13.5296, 15.7637, 22.5796



0.0000, 0.0000, 0.0000



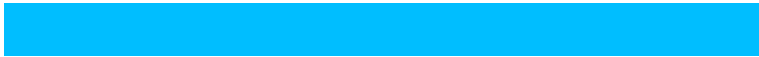
20.3446, 21.4041, 23.3091

Same Dimension

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



33.9305, 40.9978, 94.1215



36.4509, 44.0218, 101.1836



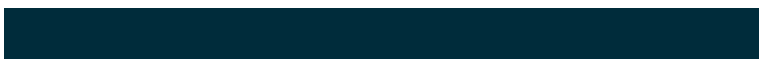
18.5015, 10.1399, 88.9786



16.6179, 18.0001, 21.1411



18.0620, 21.9178, 49.8166



1.6694, 2.0903, 4.4057

Inverse Universe

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



47.0109, 23.2367, 47.3559



50.5279, 24.9752, 50.8396



55.7637, 54.5849, 7.5989



17.0225, 16.6918, 19.8648



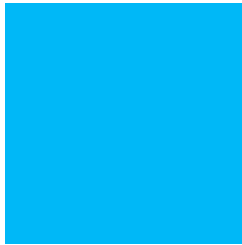
24.9214, 12.3120, 25.3581



2.2317, 1.0986, 2.4465

Previews

White Background



This preview shows how the XYZ color 33.9290, 40.9964, 94.1205 looks on a white background.

Color Contrast Check

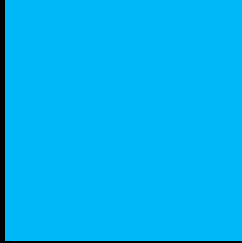
Large Text (above 18pt) WCAG AA × Fail

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 33.9290, 40.9964, 94.1205 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

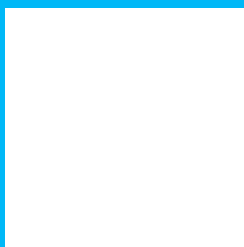
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9290, 40.9964, 94.1205

Background



This preview shows how black text looks on a background with the XYZ color 33.9290, 40.9964, 94.1205.

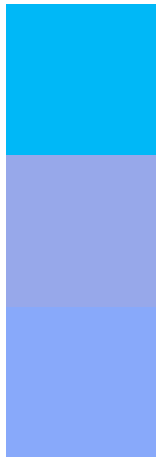


This preview shows how white text looks on a background with the XYZ color 33.9290, 40.9964,

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

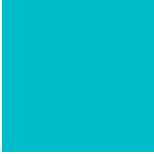
33.9290, 40.9964, 94.1205

Protanopia

41.6164, 40.5251, 83.4706

Deuteranopia

41.5966, 40.5123, 96.0698



Tritanopia

29.0967, 40.7548, 63.4597

Trichromacy



Original Color

33.9290, 40.9964, 94.1205

Protanomaly

35.5399, 38.9909, 87.3142

Deuteranomaly

36.1654, 39.1379, 95.2708

Tritanomaly

30.6886, 40.7080, 73.9501

Monochromacy



Original Color

33.9290, 40.9964, 94.1205

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.1582, 27.9433, 45.2473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9290, 40.9964, 94.1205 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, 184, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 247)  
}
```

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, 184, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 247) }
```

Border

The CSS property to change the border of an element to XYZ 33.9290, 40.9964, 94.1205 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, 184, 247) }
```


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

```
.border{ border-color:rgb(0, 184, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9290, 40.9964, 94.1205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 247) }
```

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

```
.background{ background-color: rgb(0, 184,  
247) }
```

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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