

Converting Colors

XYZ(21.1948, 34.2976, 89.5537)

Have a look what the booklet for
XYZ(21.1948, 34.2976, 89.5537)
contains.

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Color

**XYZ(32.9605, 40.2778,
90.0416)**

Conversions

Conversions Part 1

Format	Color
Hex	00B7F2
RGB	0, 183, 242
RGB Percent	0%, 72%, 95%
CMY	0.9997, 0.2823, 0.0510
CMYK	1.00, 0.24, 0.00, 0.05
HSL	195°, 100%, 47%
HSV	195°, 100%, 95%
XYZ	32.9605, 40.2778, 90.0416
YIQ	135.0090, -128.0070, -20.4470

Conversions

Conversions Part 2

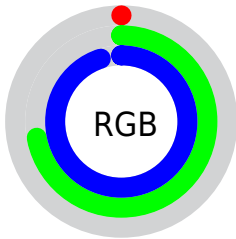
Format	Color
RYB	0, 104, 242
Decimal	47090
CIELab	69.67, -17.97, -40.02
CIELCh	70, 43.874, 245.818
Yxy	40.2778, 0.2019, 0.2467
Android (android.graphics.Color)	4278237170 (0xFF00B7F2)
YUV	135.0090, 52.7466, -118.4029
Hunter-Lab	63.4648, -18.3592, -39.6932

Details

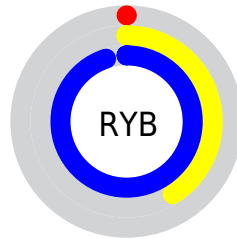
The XYZ color **32.9605, 40.2778, 90.0416** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **38.1860, 22.0122, 2.2381**, and the grayscale version is **22.8849, 24.0767, 26.2196**.

A 20% lighter version of the original color is **55.3469, 72.2680, 105.6398**, and **16.8456, 19.5104, 49.3324** is the 20% darker color. If you saturate the color by 10%, you get **32.9578, 40.2720, 90.0415**, and if you desaturate by 10%, it is **34.5871, 42.9621, 90.4748**.

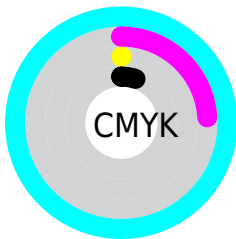
Distribution



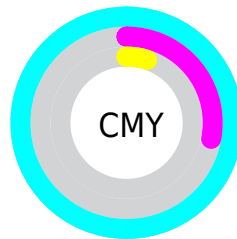
- Red (0%)
- Green (72%)
- Blue (95%)



- Red (0%)
- Yellow (41%)
- Blue (95%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (5%)




- Cyan (100%)
- Magenta (28%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9605, 40.2778, 90.0416 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 32.9605, 40.2778, 90.0416 by changing the saturation by 10% instead.


 32.9605, 40.2778,
90.0416


 32.9605, 40.2778,
90.0416


307.1398,
347.2931, 548.7398


 22.2553, 27.7552,
67.4412


 63.6689, 75.5864,
149.3322


 14.1622, 18.1412,
48.9794


 84.4029, 99.1411,
186.8595


 8.3161, 11.0514,
34.2377


 109.2104,
127.1420, 230.1996

 4.3513, 6.1014,
22.7974

 138.4569,
159.9735, 279.7709

 1.9028, 2.9069,
14.2401

 172.5078,
198.0200, 335.9920

 0.5784, 1.0833,
8.1472

211.7283,

 0.0000, 0.0000,

241.6658, 399.2815

4.1002

256.4839,
291.2954, 470.0579

■ 0.0000, 0.0000,
1.6805

■ 0.0000, 0.0000,
0.3473

■ 32.9605, 40.2778,
90.0416

■ 32.9605, 40.2778,
90.0416

■ 32.9578, 40.2720,
90.0415

■ 34.5871, 42.9621,
90.4748

■ 36.7397, 45.9936,
90.9465

■ 39.5680, 49.4510,
91.4648

■ 43.1608, 53.3810,
92.0340

■ 47.5928, 57.8229,
92.6578

■ 52.9296, 62.8113,
93.3393

■ 59.2296, 68.3772,
94.0816

■ 66.5465, 74.5492,
94.8873

■ 74.9298, 81.3535,
95.7588

Harmonies

Analogous

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



28.2493, 40.2778, 70.9329



32.9605, 40.2778, 90.0416



39.6828, 40.2778, 95.3577

Triad

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



32.9605, 40.2778, 90.0416



53.5267, 40.2778, 40.0122



30.8394, 40.2778, 19.1855

Complementary

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



32.9605, 40.2778, 90.0416



38.1860, 22.0122, 2.2381

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.



36.9162, 40.2778, 15.3333



32.9605, 40.2778, 90.0416



50.4487, 40.2778, 24.7301

Square

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



32.9605, 40.2778, 90.0416



52.1297, 40.2778, 61.8921



44.1493, 40.2778, 16.9919



27.1347, 40.2778, 29.7154

Rectangle

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



32.9605, 40.2778, 90.0416



44.5388, 40.2778, 89.2821



44.1493, 40.2778, 16.9919



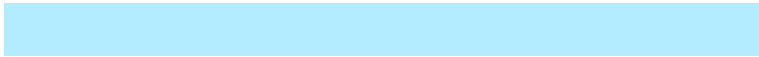
32.6420, 40.2778, 17.2437

Sweetspot

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



32.9619, 40.2792, 90.0426



66.6198, 76.9337, 105.9462



32.4798, 63.7959, 14.4101



13.5892, 15.8829, 22.5994



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.



32.9619, 40.2792, 90.0426



37.0791, 45.2781, 101.3930



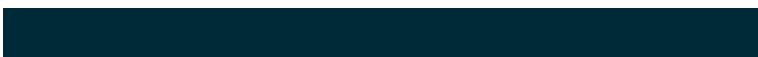
17.8944, 10.1441, 85.0201



15.9018, 17.2378, 20.2107



17.8174, 21.8590, 48.4080



1.5592, 1.9723, 4.0527

Inverse Universe

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



45.1665, 22.2979, 46.7243



50.8450, 25.1020, 52.5092



52.4368, 50.5139, 6.9883



16.2799, 15.9617, 19.0301



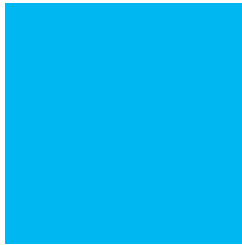
24.3190, 12.0000, 25.3943



2.0619, 1.0138, 2.3170

Previews

White Background



This preview shows how the XYZ color 32.9605, 40.2778, 90.0416 looks on a white background.

Color Contrast Check

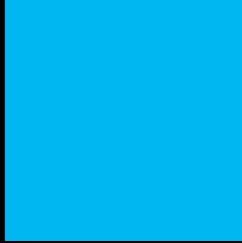
Large Text (above 18pt) WCAG AA × Fail

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 32.9605, 40.2778, 90.0416 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

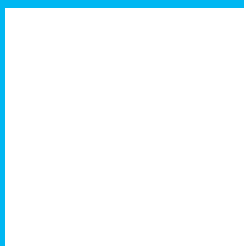
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9605, 40.2778, 90.0416

Background



This preview shows how black text looks on a background with the XYZ color 32.9605, 40.2778, 90.0416.



This preview shows how white text looks on a background with the XYZ color 32.9605, 40.2778,

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

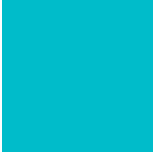
32.9605, 40.2778, 90.0416

Protanopia

40.7241, 39.8739, 79.6788

Deuteranopia

41.1184, 40.0624, 92.7544



Tritanopia

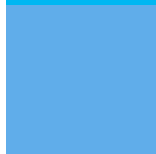
28.6439, 40.2307, 62.1327

Trichromacy



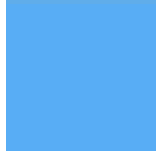
Original Color

32.9605, 40.2778, 90.0416



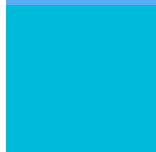
Protanomaly

34.6187, 38.3144, 83.4127



Deuteranomaly

35.4495, 38.5544, 91.9596



Tritanomaly

30.0833, 40.1276, 71.8055

Monochromacy



Original Color

32.9605, 40.2778, 90.0416



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

22.7060, 27.4909, 44.1539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9605, 40.2778, 90.0416 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, 183, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 242)  
}
```

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, 183, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 242) }
```

Border

The CSS property to change the border of an element to XYZ 32.9605, 40.2778, 90.0416 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, 183, 242) }
```


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

```
.border{ border-color:rgb(0, 183, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 183, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9605, 40.2778, 90.0416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 242) }
```

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

```
.background{ background-color: rgb(0, 183,  
242) }
```

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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