

Converting Colors

XYZ(33.8667, 37.1523, 99.9939)

Have a look what the booklet for
XYZ(33.8667, 37.1523, 99.9939)
contains.

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Color

**XYZ(33.9292, 37.3059,
100.0202)**

Conversions

Conversions Part 1

Format	Color
Hex	2EACFF
RGB	46, 172, 255
RGB Percent	18%, 67%, 100%
CMY	0.8195, 0.3255, 0.0000
CMYK	0.82, 0.33, 0.00, 0.00
HSL	204°, 100%, 59%
HSV	204°, 82%, 100%
XYZ	33.9292, 37.3059, 100.0202
YIQ	143.7880, -101.7390, -0.8990

Conversions

Conversions Part 2

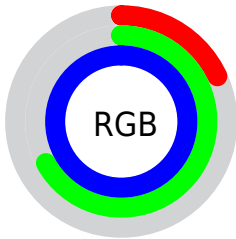
Format	Color
RYB	46, 125, 255
Decimal	3058943
CIELab	67.51, -5.25, -50.44
CIELCh	68, 50.716, 264.059
Yxy	37.3059, 0.1981, 0.2178
Android (android.graphics.Color)	4281249023 (0xFF2EACFF)
YUV	143.7880, 54.8275, -85.7601
Hunter-Lab	61.0786, -7.7305, -54.3363

Details

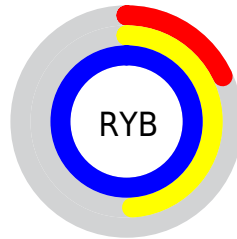
The XYZ color **33.9292, 37.3059, 100.0202** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **49.5862, 37.1627, 7.1465**, and the grayscale version is **26.2428, 27.6094, 30.0667**.

A 20% lighter version of the original color is **53.9765, 66.5181, 104.6022**, and **16.9095, 17.5102, 55.9147** is the 20% darker color. If you saturate the color by 10%, you get **31.2474, 33.1706, 99.3634**, and if you desaturate by 10%, it is **37.4413, 42.0883, 100.7582**.

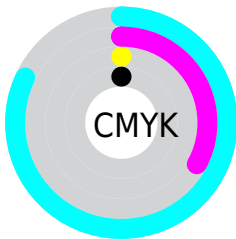
Distribution



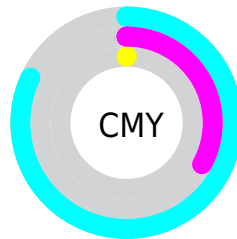
- Red (18%)
- Green (67%)
- Blue (100%)



- Red (18%)
- Yellow (49%)
- Blue (100%)



- Cyan (82%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (82%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9292, 37.3059, 100.0202 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 33.9292, 37.3059, 100.0202 by changing the saturation by 10% instead.

■ 33.9292, 37.3059,
100.0202

■ 33.9292, 37.3059,
100.0202

311.4077,
334.6330, 581.5047

■ 23.0018, 25.4444,
75.7004

■ 65.1686, 71.0430,
163.2371

■ 14.7156, 16.4085,
55.6817

■ 86.2113, 93.6874,
202.9712

■ 8.7050, 9.8137,
39.5455

■ 111.3565,
120.6950, 248.6806

■ 4.6048, 5.2756,
26.8733

■ 140.9696,
152.4500, 300.7838

■ 2.0497, 2.4098,
17.2465

175.4159,
189.3369, 359.6992

■ 0.6616, 0.8309,
10.2466

215.0608,

■ 0.0000, 0.0000,

231.7401, 425.8455

5.4550

260.2696,
280.0440, 499.6411

■ 0.0000, 0.0000,
2.4533

■ 0.0000, 0.0000,
0.8152

■ 33.9292, 37.3059,
100.0202

■ 33.9292, 37.3059,
100.0202

■ 31.2474, 33.1706,
99.3634

■ 37.4413, 42.0883,
100.7582

■ 29.5602, 30.2404,
98.8867

■ 41.8880, 47.5747,
101.5828

■ 47.3607, 53.8173,
102.4994

■ 53.9380, 60.8611,
103.5123

■ 61.6902, 68.7465,
104.6257

■ 70.6815, 77.5109,
105.8435

■ 80.9709, 87.1886,
107.1692

■ 92.6137, 97.8122,
108.6061

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



27.3682, 37.3059, 86.2264



33.9292, 37.3059, 100.0202



41.9261, 37.3059, 93.7756

Triad

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



33.9292, 37.3059, 100.0202



50.9808, 37.3059, 25.5130



24.6550, 37.3059, 20.2747

Complementary

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



33.9292, 37.3059, 100.0202



49.5862, 37.1627, 7.1465

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.



29.6921, 37.3059, 12.6792



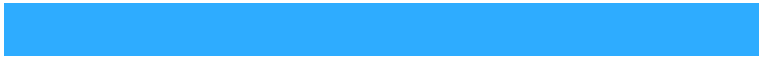
33.9292, 37.3059, 100.0202



45.0033, 37.3059, 14.8357

Square

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



33.9292, 37.3059, 100.0202



52.5528, 37.3059, 45.2270



37.0323, 37.3059, 11.1366



22.5420, 37.3059, 36.3366

Rectangle

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



33.9292, 37.3059, 100.0202



46.9355, 37.3059, 79.9348



37.0323, 37.3059, 11.1366



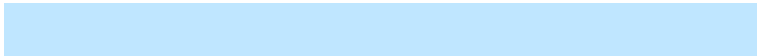
26.0232, 37.3059, 16.9222

Sweetspot

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



33.9305, 37.3071, 100.0204



67.8070, 74.7451, 105.4612



40.6618, 73.6110, 31.8476



13.8356, 15.3382, 22.4813



0.0000, 0.0000, 0.0000



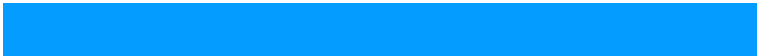
20.3446, 21.4041, 23.3091

Same Dimension

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



33.9305, 37.3071, 100.0204



29.9604, 30.9461, 99.0018



21.3929, 12.2320, 95.8412



17.9141, 19.1997, 23.0117



15.5958, 16.1011, 51.7204



1.6253, 1.7813, 5.0714

Inverse Universe

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



49.6643, 26.1942, 41.4690



47.2750, 23.7626, 33.4366



70.2029, 78.3962, 14.0187



18.4693, 18.1710, 21.0883



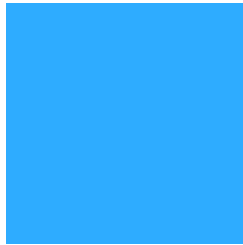
24.6602, 12.3534, 17.3930



2.4550, 1.2244, 1.9773

Previews

White Background



This preview shows how the XYZ color 33.9292, 37.3059, 100.0202 looks on a white background.

Color Contrast Check

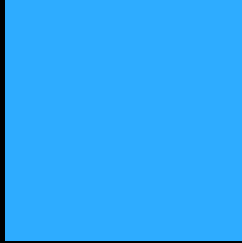
Large Text (above 18pt) WCAG AA × Fail

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 33.9292, 37.3059, 100.0202 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

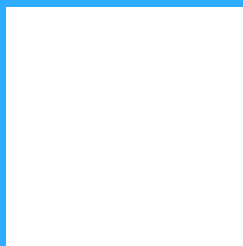
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9292, 37.3059, 100.0202

Background



This preview shows how black text looks on a background with the XYZ color 33.9292, 37.3059, 100.0202.

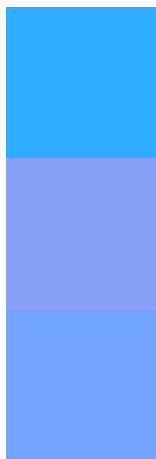


This preview shows how white text looks on a background with the XYZ color 33.9292, 37.3059,

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

33.9292, 37.3059, 100.0202

Protanopia

38.8838, 36.8025, 91.4404

Deuteranopia

38.0866, 36.9918, 99.7405



Tritanopia

26.3742, 36.9879, 57.3791

Trichromacy



Original Color

33.9292, 37.3059, 100.0202

Protanomaly

35.8538, 36.2153, 94.7231

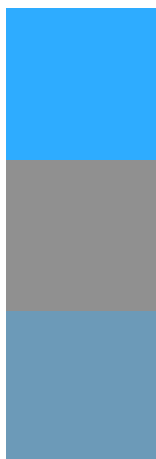
Deuteranomaly

35.8060, 36.6163, 99.7882

Tritanomaly

28.6759, 36.9697, 71.2701

Monochromacy



Original Color

33.9292, 37.3059, 100.0202

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.3917, 29.7600, 49.7007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9292, 37.3059, 100.0202 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(46, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(46, 172, 255)  
}
```

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(46, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 172, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.9292, 37.3059, 100.0202 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(46, 172, 255) }
```


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

```
.border{ border-color:rgb(46, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(46, 172,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9292, 37.3059, 100.0202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 172, 255) }
```

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

```
.background{ background-color: rgb(46, 172,  
255) }
```

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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