

Converting Colors

XYZ(37.9463, 46.0689,
101.4999)

Have a look what the booklet for
XYZ(37.9463, 46.0689, 101.4999)
contains.

XYZ(37.9690, 46.1269, 101.5099)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.9690, 46.1269,
101.5099)**

Conversions

Conversions Part 1

Format	Color
Hex	21C2FF
RGB	33, 194, 255
RGB Percent	13%, 76%, 100%
CMY	0.8705, 0.2392, 0.0000
CMYK	0.87, 0.24, 0.00, 0.00
HSL	196°, 100%, 56%
HSV	196°, 87%, 100%
XYZ	37.9690, 46.1269, 101.5099
YIQ	152.8150, -115.5370, -15.1610

Conversions

Conversions Part 2

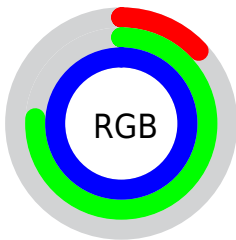
Format	Color
R_{YB}	33, 126, 255
Decimal	2212607
CIE _{Lab}	73.63, -18.08, -40.85
CIE _{LCh}	74, 44.673, 246.120
Yxy	46.1269, 0.2046, 0.2485
Android (android.graphics.Color)	4280402687 (0xFF21C2FF)
YUV	152.8150, 50.3772, -105.0778
Hunter-Lab	67.9168, -19.0636, -41.0744

Details

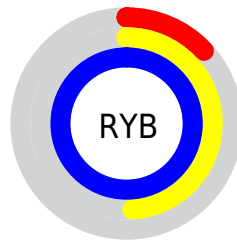
The XYZ color **37.9690, 46.1269, 101.5099** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.5202, 29.3804, 4.7129**, and the grayscale version is **30.0264, 31.5901, 34.4016**.

A 20% lighter version of the original color is **60.4323, 80.2793, 106.9181**, and **19.5711, 22.8334, 56.8019** is the 20% darker color. If you saturate the color by 10%, you get **35.9135, 42.8070, 100.9775**, and if you desaturate by 10%, it is **40.7148, 49.9133, 102.0961**.

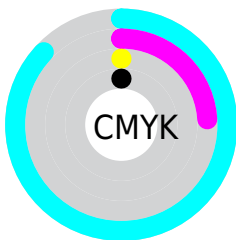
Distribution



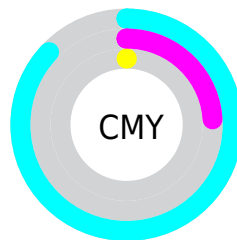
- Red (13%)
- Green (76%)
- Blue (100%)



- Red (13%)
- Yellow (49%)
- Blue (100%)



- Cyan (87%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (87%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9690, 46.1269, 101.5099 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 37.9690, 46.1269, 101.5099 by changing the saturation by 10% instead.


 37.9690, 46.1269,
101.5099


 37.9690, 46.1269,
101.5099


328.7701,
371.3186, 586.3108


 26.1357, 32.3460,
76.9382


 71.3648, 84.4089,
165.3005


 17.0584, 21.6259,
56.6909

 93.6581, 109.6787,
205.3565


 10.3717, 13.5823,
40.3494

 120.1687,
139.5470, 251.4111

 5.7103, 7.8307,
27.4952

 151.2621,
174.3981, 303.8827

 2.7087, 3.9868,
17.7098

 187.3036,
214.6164, 363.1900

 1.0017, 1.6662,
10.5746

228.6585,

 0.0000, 0.4016,

260.5863, 429.7514

5.6710

275.6922,
312.6923, 503.9854

■ 0.0000, 0.0000,
2.5805

■ 0.0000, 0.0000,
0.8824

■ 37.9690, 46.1269,
101.5099

■ 37.9690, 46.1269,
101.5099

■ 35.9135, 42.8070,
100.9775

■ 40.7148, 49.9133,
102.0961

■ 35.3833, 41.8867,
100.8278

■ 44.2690, 54.2264,
102.7413

■ 48.7289, 59.1184,
103.4504

■ 54.1764, 64.6331,
104.2278

■ 60.6838, 70.8089,
105.0769

■ 68.3162, 77.6809,
106.0010

■ 77.1332, 85.2812,
107.0033

■ 87.1902, 93.6396,
108.0866

■ 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.



32.6684, 46.1269, 80.5252



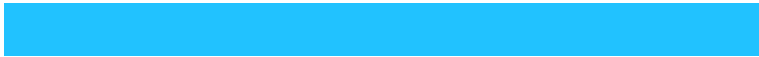
37.9690, 46.1269, 101.5099



45.4838, 46.1269, 107.1758

Triad

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



37.9690, 46.1269, 101.5099



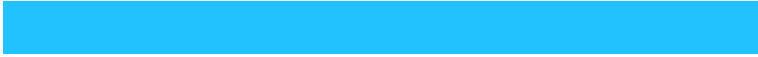
60.7701, 46.1269, 45.7221



35.4739, 46.1269, 22.6160

Complementary

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



37.9690, 46.1269, 101.5099



45.5202, 29.3804, 4.7129

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.



42.2406, 46.1269, 18.1709



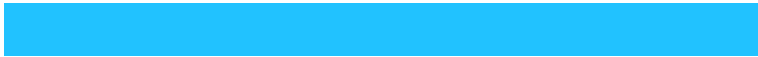
37.9690, 46.1269, 101.5099



57.3112, 46.1269, 28.6748

Square

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



37.9690, 46.1269, 101.5099



59.2718, 46.1269, 70.0015



50.2919, 46.1269, 19.9959



31.3537, 46.1269, 34.5744

Rectangle

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



37.9690, 46.1269, 101.5099



50.8848, 46.1269, 100.3636



50.2919, 46.1269, 19.9959



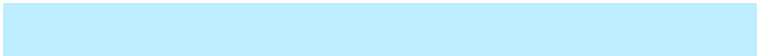
37.4814, 46.1269, 20.3880

Sweetspot

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



37.9705, 46.1284, 101.5102



69.1826, 78.4419, 106.1022



38.3297, 72.6204, 22.1733



14.2048, 16.2573, 22.6393



0.0000, 0.0000, 0.0000



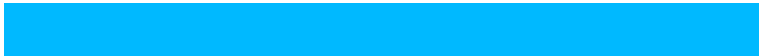
20.3446, 21.4041, 23.3091

Same Dimension

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



37.9705, 46.1284, 101.5102



35.3833, 41.8867, 100.8278



21.9128, 14.0131, 96.1576



18.1080, 19.5877, 23.0763



18.6199, 22.1493, 52.7285



1.9044, 2.3394, 5.1645

Inverse Universe

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



51.5226, 26.2446, 53.3904



49.9891, 24.7596, 48.0020



62.9198, 64.1798, 10.5128



18.5672, 18.2102, 21.6039



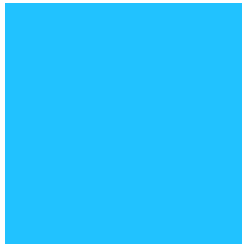
26.1867, 12.9640, 25.4311



2.5958, 1.2807, 2.7191

Previews

White Background



This preview shows how the XYZ color 37.9690, 46.1269, 101.5099 looks on a white background.

Color Contrast Check

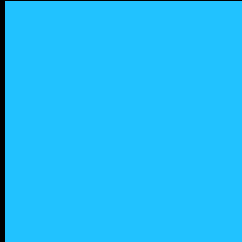
Large Text (above 18pt) WCAG AA × Fail

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 37.9690, 46.1269, 101.5099 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

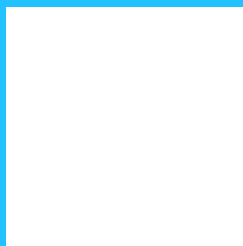
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9690, 46.1269, 101.5099

Background



This preview shows how black text looks on a background with the XYZ color 37.9690, 46.1269, 101.5099.



This preview shows how white text looks on a background with the XYZ color 37.9690, 46.1269,

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

37.9690, 46.1269, 101.5099

Protanopia

46.4471, 45.4322, 90.3257

Deuteranopia

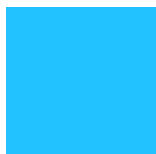
46.5481, 45.5448, 100.9454



Tritanopia

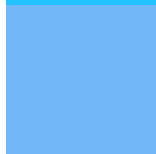
32.9200, 46.2148, 71.4753

Trichromacy



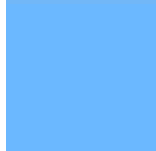
Original Color

37.9690, 46.1269, 101.5099



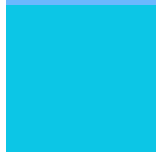
Protanomaly

40.6614, 44.1598, 94.3763



Deuteranomaly

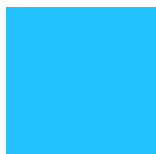
41.2539, 44.6268, 101.0473



Tritanomaly

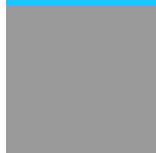
34.6286, 46.1795, 81.9513

Monochromacy



Original Color

37.9690, 46.1269, 101.5099



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

29.6036, 34.9742, 53.9056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9690, 46.1269, 101.5099 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(33, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(33, 194, 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(33, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 194, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.9690, 46.1269, 101.5099 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(33, 194, 255) }
```


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

```
.border{ border-color:rgb(33, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(33, 194,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9690, 46.1269, 101.5099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 194, 255) }
```

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

```
.background{ background-color: rgb(33, 194,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor