

Converting Colors

XYZ(42.1451, 41.4500, 84.1746)

Have a look what the booklet for
XYZ(42.1451, 41.4500, 84.1746)
contains.

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Color

**XYZ(42.1326, 41.3269,
84.3535)**

Conversions

Conversions Part 1

Format	Color
Hex	97AAEB
RGB	151, 170, 235
RGB Percent	59%, 67%, 92%
CMY	0.4078, 0.3333, 0.0784
CMYK	0.36, 0.28, 0.00, 0.08
HSL	226°, 68%, 76%
HSV	226°, 36%, 92%
XYZ	42.1326, 41.3269, 84.3535
YIQ	171.7290, -32.1890, 16.1870

Conversions

Conversions Part 2

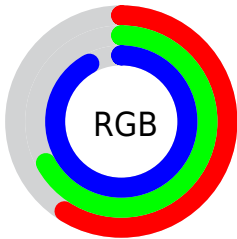
Format	Color
RYB	151, 166, 235
Decimal	9939691
CIELab	70.40, 8.81, -34.71
CIELCh	70, 35.813, 284.234
Yxy	41.3269, 0.2511, 0.2463
Android (android.graphics.Color)	4288129771 (0xFF97AAEB)
YUV	171.7290, 31.1926, -18.1793
Hunter-Lab	64.2860, 4.4872, -32.7977

Details

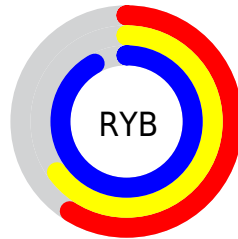
The XYZ color **42.1326, 41.3269, 84.3535** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **64.4037, 69.0093, 39.2054**, and the grayscale version is **38.9360, 40.9637, 44.6095**.

A 20% lighter version of the original color is **70.7073, 74.3358, 105.2293**, and **19.5449, 18.7529, 45.2374** is the 20% darker color. If you saturate the color by 10%, you get **35.0219, 32.9466, 83.1115**, and if you desaturate by 10%, it is **50.5869, 51.1015, 85.7953**.

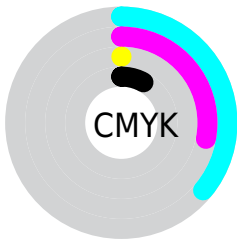
Distribution



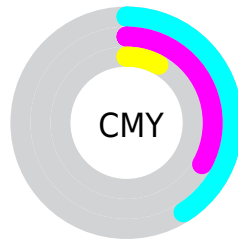
- Red (59%)
- Green (67%)
- Blue (92%)



- Red (59%)
- Yellow (65%)
- Blue (92%)



- Cyan (36%)
- Magenta (28%)
- Yellow (0%)
- Black (8%)



- Cyan (41%)
- Magenta (33%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1326, 41.3269, 84.3535 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 42.1326, 41.3269, 84.3535 by changing the saturation by 10% instead.

■ 42.1326, 41.3269,
84.3535

■ 42.1326, 41.3269,
84.3535

346.0146,
351.6850, 529.5751

■ 29.3967, 28.5746,
62.7603

■ 77.6642, 77.1799,
141.3357

■ 19.5269, 18.7593,
45.2075

■ 101.1906,
101.0494, 177.5617

■ 12.1579, 11.4965,
31.2768

129.0445,
129.3934, 219.5024

■ 6.9243, 6.4018,
20.5495

161.5913,
162.5963, 267.5764

■ 3.4607, 3.0909,
12.6071

199.1964,
201.0425, 322.2021

■ 1.4018, 1.1794,
7.0310

242.2250,

■ 0.2575, 0.0448,

245.1165, 383.7980

3.4028

291.0427,
295.2025, 452.7829

■ 0.0000, 0.0000,
1.3038

■ 0.0000, 0.0000,
0.0649

■ 42.1326, 41.3269,
84.3535

■ 42.1326, 41.3269,
84.3535

■ 35.0219, 32.9466,
83.1115

■ 50.5869, 51.1015,
85.7953

■ 29.1794, 25.8906,
82.0575

■ 60.4463, 62.3266,
87.4424

■ 24.5286, 20.0899,
81.1829

■ 71.7736, 75.0607,
89.3033

■ 20.9823, 15.4666,
80.4774

■ 84.6264, 89.3579,
91.3855

■ 18.4407, 11.9334,
79.9294

■ 91.9955, 98.7782,
92.8154

■ 16.7839, 9.3891,
79.5257

■ 16.2757, 8.5586,
79.3921

Harmonies

Analogous

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



36.2809, 41.3269, 84.0125



42.1326, 41.3269, 84.3535



47.7268, 41.3269, 72.4852

Triad

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



42.1326, 41.3269, 84.3535



47.9712, 41.3269, 25.9436



29.3528, 41.3269, 36.7437

Complementary

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



42.1326, 41.3269, 84.3535



64.4037, 69.0093, 39.2054

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.



31.8936, 41.3269, 25.5210



42.1326, 41.3269, 84.3535



42.4400, 41.3269, 20.4347

Square

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



42.1326, 41.3269, 84.3535



51.3192, 41.3269, 37.4808



36.5591, 41.3269, 20.3023



29.2883, 41.3269, 53.4585

Rectangle

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



42.1326, 41.3269, 84.3535



50.3941, 41.3269, 60.6305



36.5591, 41.3269, 20.3023



29.9333, 41.3269, 32.3138

Sweetspot

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



42.1340, 41.3285, 84.3545



78.9352, 81.9876, 106.2726



54.7892, 70.9238, 75.3628



16.5032, 17.1073, 22.6822



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.



42.1340, 41.3285, 84.3545



44.1920, 42.0780, 100.4004



43.3856, 37.0629, 83.4652



14.5076, 15.1016, 19.0725



9.1369, 4.9208, 44.2112



0.7882, 0.5278, 3.4952

Inverse Universe

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



52.5845, 42.6991, 43.5020



58.6890, 44.5260, 43.6067



62.6200, 75.7383, 40.5982



15.2050, 15.1099, 16.3648



19.4672, 9.9896, 2.9956



1.5643, 0.7987, 0.4232

Previews

White Background



This preview shows how the XYZ color 42.1326, 41.3269, 84.3535 looks on a white background.

Color Contrast Check

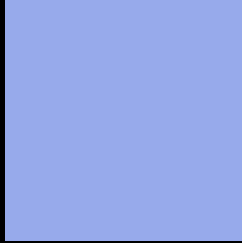
Large Text (above 18pt) WCAG AA × Fail

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 42.1326, 41.3269, 84.3535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

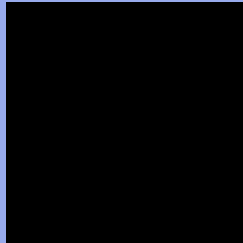
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1326, 41.3269, 84.3535

Background



This preview shows how black text looks on a background with the XYZ color 42.1326, 41.3269, 84.3535.



This preview shows how white text looks on a background with the XYZ color 42.1326, 41.3269,

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

42.1326, 41.3269, 84.3535

Protanopia

42.5070, 41.5199, 84.3710

Deuteranopia

42.3190, 41.4230, 84.3623



Tritanopia

36.4193, 41.3093, 55.9232

Trichromacy



Original Color

42.1326, 41.3269, 84.3535

Protanomaly

42.3190, 41.4230, 84.3623

Deuteranomaly

42.3190, 41.4230, 84.3623

Tritanomaly

38.3922, 41.2338, 65.6099

Monochromacy



Original Color

42.1326, 41.3269, 84.3535

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.7231, 40.9585, 57.4419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1326, 41.3269, 84.3535 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(151, 170, 235)` looks like.

```
.text, #text, p{  
    color:rgb(151, 170, 235)  
}
```

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(151, 170, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 170, 235) }
```

Border

The CSS property to change the border of an element to XYZ 42.1326, 41.3269, 84.3535 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(151, 170, 235) }
```


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

```
.border{ border-color:rgb(151, 170, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 170, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 170, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 170, 235);  
box-shadow:4px 4px 4px 4px rgb(151, 170,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1326, 41.3269, 84.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 170, 235) }
```

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

```
.background{ background-color: rgb(151,  
170, 235) }
```

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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