

Converting Colors

XYZ(42.0960, 40.9922, 98.6221)

Have a look what the booklet for
XYZ(42.0960, 40.9922, 98.6221)
contains.

XYZ(42.0960, 40.9922, 98.6221)	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(42.0960, 40.9922,
98.6221)**

Conversions

Conversions Part 1

Format	Color
Hex	87AAFD
RGB	135, 170, 253
RGB Percent	53%, 67%, 99%
CMY	0.4706, 0.3333, 0.0078
CMYK	0.47, 0.33, 0.00, 0.01
HSL	222°, 97%, 76%
HSV	222°, 47%, 99%
XYZ	42.0960, 40.9922, 98.6221
YIQ	168.9970, -47.5030, 18.3930

Conversions

Conversions Part 2

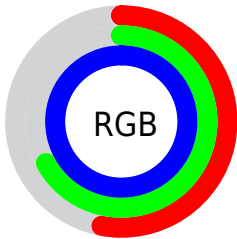
Format	Color
RYB	135, 162, 253
Decimal	8891133
CIELab	70.17, 9.70, -44.94
CIELCh	70, 45.975, 282.185
Yxy	40.9922, 0.2317, 0.2256
Android (android.graphics.Color)	4287081213 (0xFF87AAFD)
YUV	168.9970, 41.4135, -29.8154
Hunter-Lab	64.0252, 5.3182, -46.5106

Details

The XYZ color **42.0960, 40.9922, 98.6221** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.9542, 72.7768, 33.2839**, and the grayscale version is **37.5305, 39.4850, 42.9991**.

A 20% lighter version of the original color is **66.9675, 72.4079, 105.0543**, and **19.5028, 18.5202, 54.7714** is the 20% darker color. If you saturate the color by 10%, you get **35.3853, 32.9116, 97.4169**, and if you desaturate by 10%, it is **50.2283, 50.4775, 100.0251**.

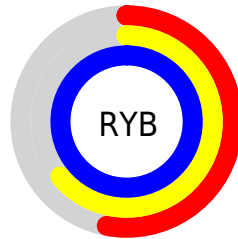
Distribution



Red (53%)

Green (67%)

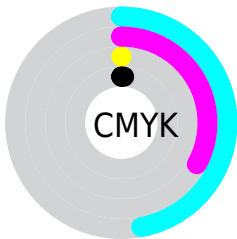
Blue (99%)



Red (53%)

Yellow (64%)

Blue (99%)

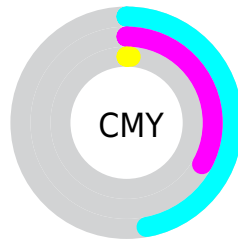


Cyan (47%)

Magenta (33%)

Yellow (0%)

Black (1%)



Cyan (47%)

Magenta (33%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0960, 40.9922, 98.6221 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 42.0960, 40.9922, 98.6221 by changing the saturation by 10% instead.

■ 42.0960, 40.9922,
98.6221

■ 42.0960, 40.9922,
98.6221

345.8656,
350.2880, 576.9748

■ 29.3679, 28.3130,
74.5398

■ 77.6091, 76.6721,
161.2977

■ 19.5050, 18.5617,
54.7365

■ 101.1249,
100.4415, 200.7281

■ 12.1419, 11.3540,
38.7936

■ 128.9673,
128.6764, 246.1116

■ 6.9133, 6.3055,
26.2926

161.5016,
161.7613, 297.8667

■ 3.4538, 3.0317,
16.8150

199.0932,
200.0805, 356.4121

■ 1.3980, 1.1483,
9.9421

242.1076,

■ 0.2548, 0.0189,

244.0185, 422.1662

5.2555

290.9099,
293.9595, 495.5476

■ 0.0000, 0.0000,
2.3366

■ 0.0000, 0.0000,
0.7516

■ 42.0960, 40.9922,
98.6221

■ 42.0960, 40.9922,
98.6221

■ 35.3853, 32.9116,
97.4169

■ 50.2283, 50.4775,
100.0251

■ 30.0042, 26.1594,
96.3972

■ 59.8576, 61.4294,
101.6315

■ 25.8561, 20.6578,
95.5539

■ 71.0589, 73.9113,
103.4504

■ 22.8277, 16.3180,
94.8758

■ 83.9008, 87.9814,
105.4894

■ 20.7803, 13.0349,
94.3501

94.7298, 99.8719,
107.2137

■ 20.2486, 12.1295,
94.2033

Harmonies

Analogous

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



34.7008, 40.9922, 96.8456



42.0960, 40.9922, 98.6221



49.5075, 40.9922, 82.9151

Triad

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



42.0960, 40.9922, 98.6221



50.6959, 40.9922, 22.1902



26.7470, 40.9922, 33.1186

Complementary

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



42.0960, 40.9922, 98.6221



69.9542, 72.7768, 33.2839

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.



30.0314, 40.9922, 20.4324



42.0960, 40.9922, 98.6221



43.5582, 40.9922, 15.6656

Square

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



42.0960, 40.9922, 98.6221



54.8842, 40.9922, 36.4468



35.9873, 40.9922, 15.1472



26.4617, 40.9922, 53.9627

Rectangle

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



42.0960, 40.9922, 98.6221



53.2103, 40.9922, 66.8947



35.9873, 40.9922, 15.1472



27.5152, 40.9922, 27.9562

Sweetspot

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



42.0975, 40.9937, 98.6231



75.6196, 78.8583, 105.8433



57.7210, 80.4436, 78.5420



15.6087, 16.2433, 22.5625



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.



42.0975, 40.9937, 98.6231



36.4049, 33.9725, 99.2464



40.6142, 31.7518, 96.9174



17.4421, 18.2557, 22.8544



10.8811, 6.6717, 50.1489



1.1496, 0.8300, 4.9129

Inverse Universe

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



56.4290, 41.1146, 42.9933



52.9353, 35.2441, 34.8273



71.9406, 88.7248, 36.2575



18.2310, 18.0757, 19.8337



22.2805, 11.4015, 4.8614



2.2149, 1.1283, 0.7130

Previews

White Background



This preview shows how the XYZ color 42.0960, 40.9922, 98.6221 looks on a white background.

Color Contrast Check

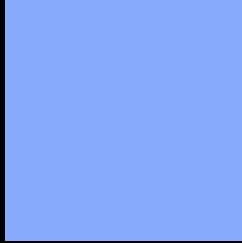
Large Text (above 18pt) WCAG AA × Fail

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 42.0960, 40.9922, 98.6221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

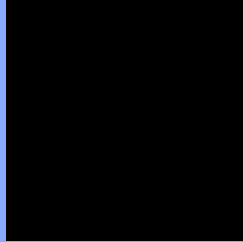
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0960, 40.9922, 98.6221

Background



This preview shows how black text looks on a background with the XYZ color 42.0960, 40.9922, 98.6221.



This preview shows how white text looks on a background with the XYZ color 42.0960, 40.9922,

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

42.0960, 40.9922, 98.6221

Protanopia

42.9010, 40.8732, 97.7236

Deuteranopia

42.0960, 40.9922, 98.6221



Tritanopia

33.9589, 40.8848, 58.3263

Trichromacy



Original Color

42.0960, 40.9922, 98.6221

Protanomaly

42.5739, 40.9797, 97.7614

Deuteranomaly

42.0960, 40.9922, 98.6221

Tritanomaly

36.5587, 40.7391, 71.5822

Monochromacy



Original Color

42.0960, 40.9922, 98.6221

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.5179, 39.7142, 60.2791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0960, 40.9922, 98.6221 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(135, 170, 253)` looks like.

```
.text, #text, p{  
    color:rgb(135, 170, 253)  
}
```

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(135, 170, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 170, 253) }
```

Border

The CSS property to change the border of an element to XYZ 42.0960, 40.9922, 98.6221 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(135, 170, 253) }
```


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

```
.border{ border-color:rgb(135, 170, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 170, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 170, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 170, 253); box-shadow:4px 4px 4px 4px rgb(135, 170, 253) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0960, 40.9922, 98.6221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 170, 253) }
```

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

```
.background{ background-color: rgb(135,  
170, 253) }
```

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