

Converting Colors

XYZ(38.4643, 36.1382, 99.5558)

Have a look what the booklet for
XYZ(38.4643, 36.1382, 99.5558)
contains.

XYZ(38.4742, 36.1538, 99.5583)	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(38.4742, 36.1538,
99.5583)**

Conversions

Conversions Part 1

Format	Color
Hex	7A9FFF
RGB	122, 159, 255
RGB Percent	48%, 62%, 100%
CMY	0.5215, 0.3765, 0.0000
CMYK	0.52, 0.38, 0.00, 0.00
HSL	223°, 100%, 74%
HSV	223°, 52%, 100%
XYZ	38.4742, 36.1538, 99.5583
YIQ	158.8810, -52.8680, 22.0120

Conversions

Conversions Part 2

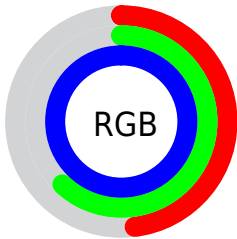
Format	Color
RYB	122, 151, 255
Decimal	8036351
CIELab	66.64, 13.67, -51.64
CIELCh	67, 53.421, 284.830
Yxy	36.1538, 0.2209, 0.2076
Android (android.graphics.Color)	4286226431 (0xFF7A9FFF)
YUV	158.8810, 47.3867, -32.3446
Hunter-Lab	60.1280, 8.9930, -56.0811

Details

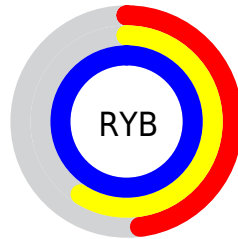
The XYZ color **38.4742, 36.1538, 99.5583** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.8259, 72.8106, 28.7882**, and the grayscale version is **32.7094, 34.4128, 37.4755**.

A 20% lighter version of the original color is **60.9003, 64.6323, 103.8732**, and **17.3592, 15.7321, 55.5478** is the 20% darker color. If you saturate the color by 10%, you get **32.3927, 28.6650, 98.4334**, and if you desaturate by 10%, it is **45.9767, 45.0759, 100.8850**.

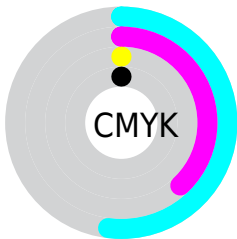
Distribution



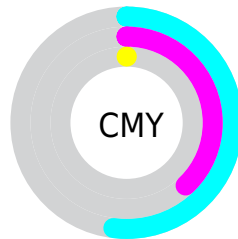
- Red (48%)
- Green (62%)
- Blue (100%)



- Red (48%)
- Yellow (59%)
- Blue (100%)



- Cyan (52%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4742, 36.1538, 99.5583 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 38.4742, 36.1538, 99.5583 by changing the saturation by 10% instead.

■ 38.4742, 36.1538,
99.5583

■ 38.4742, 36.1538,
99.5583

330.8956,
329.6323, 580.0102

■ 26.5298, 24.5530,
75.3169

■ 72.1336, 69.2694,
162.5966

■ 17.3552, 15.7443,
55.3692

■ 94.5793, 91.5530,
202.2306

■ 10.5849, 9.3434,
39.2968

■ 121.2562,
118.1663, 247.8326

■ 5.8537, 4.9659,
26.6811

152.5297,
149.4937, 299.8210

■ 2.7961, 2.2272,
17.1036

188.7649,
185.9196, 358.6144

■ 1.0469, 0.7348,
10.1456

230.3275,

■ 0.0000, 0.0000,

227.8284, 424.6314

5.3887

277.5826,
275.6045, 498.2905

■ 0.0000, 0.0000,
2.4144

■ 0.0000, 0.0000,
0.7943

■ 38.4742, 36.1538,
99.5583

■ 38.4742, 36.1538,
99.5583

■ 32.3927, 28.6650,
98.4334

■ 45.9767, 45.0759,
100.8850

■ 27.6318, 22.5253,
97.4992

■ 54.9833, 55.5015,
102.4227

■ 24.0830, 17.6463,
96.7445

■ 65.5752, 67.5002,
104.1804

■ 21.6168, 13.9251,
96.1562

■ 77.8263, 81.1359,
106.1667

■ 20.2991, 11.7181,
95.7997

■ 91.8059, 96.4691,
108.3895

95.0500, 100.0000,
108.9000

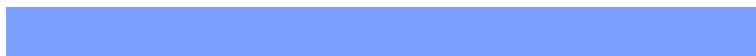
Harmonies

Analogous

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



30.4739, 36.1538, 99.4321



38.4742, 36.1538, 99.5583



46.4563, 36.1538, 79.8586

Triad

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



38.4742, 36.1538, 99.5583



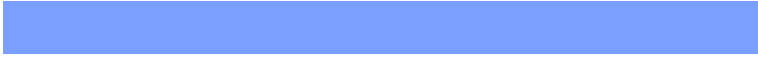
46.5357, 36.1538, 15.6731



21.4967, 36.1538, 28.8779

Complementary

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



38.4742, 36.1538, 99.5583



69.8259, 72.8106, 28.7882

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.



24.5749, 36.1538, 15.5727



38.4742, 36.1538, 99.5583



38.5699, 36.1538, 10.2289

Square

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



38.4742, 36.1538, 99.5583



51.5807, 36.1538, 29.0849



30.5558, 36.1538, 10.2012



21.4793, 36.1538, 51.8210

Rectangle

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



38.4742, 36.1538, 99.5583



50.3413, 36.1538, 61.3602



30.5558, 36.1538, 10.2012



22.1836, 36.1538, 23.3766

Sweetspot

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



38.4755, 36.1550, 99.5585



72.9140, 75.6943, 105.3752



56.3529, 80.6844, 78.4667



15.0660, 15.6001, 22.4670



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.



38.4755, 36.1550, 99.5585



31.9403, 28.0946, 98.3471



37.7398, 27.7030, 97.9659



17.4143, 18.2001, 22.8451



10.7138, 6.3371, 50.0931



1.1303, 0.7913, 4.9064

Inverse Universe

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



54.4585, 37.6840, 37.2052



49.9369, 31.1930, 27.8297



70.6953, 89.1240, 31.8912



18.2170, 18.0701, 19.7599



22.1960, 11.3677, 4.4167



2.2051, 1.1244, 0.6617

Previews

White Background



This preview shows how the XYZ color 38.4742, 36.1538, 99.5583 looks on a white background.

Color Contrast Check

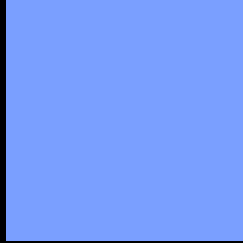
Large Text (above 18pt) WCAG AA × Fail

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 38.4742, 36.1538, 99.5583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

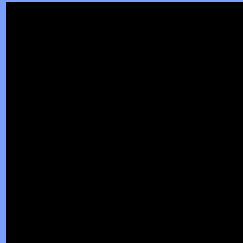
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4742, 36.1538, 99.5583

Background



This preview shows how black text looks on a background with the XYZ color 38.4742, 36.1538, 99.5583.



This preview shows how white text looks on a background with the XYZ color 38.4742, 36.1538,

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

38.4742, 36.1538, 99.5583

Protanopia

38.5737, 35.9695, 98.6757

Deuteranopia

37.3653, 36.3759, 98.8178



Tritanopia

29.0588, 36.1276, 52.4555

Trichromacy



Original Color

38.4742, 36.1538, 99.5583

Protanomaly

38.4284, 35.8946, 98.6689

Deuteranomaly

37.7045, 36.2903, 98.7834

Tritanomaly

31.9497, 35.8845, 67.5298

Monochromacy



Original Color

38.4742, 36.1538, 99.5583

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.9898, 34.8023, 55.9650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4742, 36.1538, 99.5583 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(122, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 159, 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(122, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 159, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.4742, 36.1538, 99.5583 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(122, 159, 255) }
```


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

```
.border{ border-color:rgb(122, 159, 255) }
```

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

Here you see how a box with a 4 pixel rgb(122, 159, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 159,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4742, 36.1538, 99.5583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 159, 255) }
```

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

```
.background{ background-color: rgb(122,  
159, 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