

Converting Colors

XYZ(37.6642, 36.5890,
100.8316)

Have a look what the booklet for
XYZ(37.6642, 36.5890, 100.8316)
contains.

XYZ(37.4007, 36.3757, 99.6577)	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(37.4007, 36.3757,
99.6577)**

Conversions

Conversions Part 1

Format	Color
Hex	6EA2FF
RGB	110, 162, 255
RGB Percent	43%, 64%, 100%
CMY	0.5686, 0.3647, 0.0000
CMYK	0.57, 0.36, 0.00, 0.00
HSL	218°, 100%, 72%
HSV	218°, 57%, 100%
XYZ	37.4007, 36.3757, 99.6577
YIQ	157.0540, -60.8450, 17.8990

Conversions

Conversions Part 2

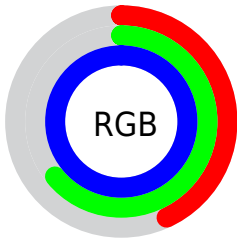
Format	Color
RYB	110, 148, 255
Decimal	7250687
CIELab	66.81, 9.47, -51.42
CIELCh	67, 52.281, 280.440
Yxy	36.3757, 0.2156, 0.2097
Android (android.graphics.Color)	4285440767 (0xFF6EA2FF)
YUV	157.0540, 48.2874, -41.2664
Hunter-Lab	60.3123, 5.1445, -55.7499

Details

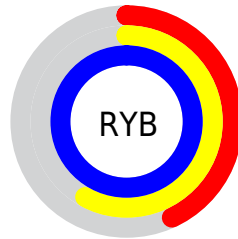
The XYZ color **37.4007, 36.3757, 99.6577** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.4118, 65.0999, 23.8717**, and the grayscale version is **31.8828, 33.5431, 36.5285**.

A 20% lighter version of the original color is **59.1834, 64.8778, 104.0111**, and **16.7526, 15.8972, 55.6116** is the 20% darker color. If you saturate the color by 10%, you get **31.9762, 29.5773, 98.6314**, and if you desaturate by 10%, it is **44.1151, 44.3964, 100.8520**.

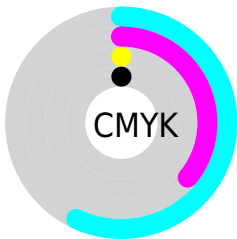
Distribution



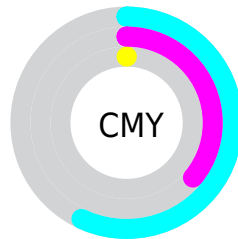
- Red (43%)
- Green (64%)
- Blue (100%)



- Red (43%)
- Yellow (58%)
- Blue (100%)



- Cyan (57%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4007, 36.3757, 99.6577 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 37.4007, 36.3757, 99.6577 by changing the saturation by 10% instead.

■ 37.4007, 36.3757,
99.6577

■ 37.4007, 36.3757,
99.6577

326.3676,
330.5997, 580.3320

■ 25.6930, 24.7245,
75.3994

■ 70.4985, 69.6116,
162.7345

■ 16.7256, 15.8719,
55.4365

■ 92.6192, 91.9650,
202.3900

■ 10.1331, 9.4336,
39.3503

■ 118.9417,
118.6546, 248.0151

■ 5.5502, 5.0250,
26.7224

149.8313,
150.0649, 300.0282

■ 2.6116, 2.2620,
17.1343

185.6533,
186.5801, 358.8479

■ 0.9519, 0.7535,
10.1673

226.7731,

■ 0.0000, 0.0000,

228.5847, 424.8928

5.4030

273.5561,
276.4631, 498.5813

■ 0.0000, 0.0000,
2.4227

■ 0.0000, 0.0000,
0.7988

■ 37.4007, 36.3757,
99.6577

■ 37.4007, 36.3757,
99.6577

■ 31.9762, 29.5773,
98.6314

■ 44.1151, 44.3964,
100.8520

■ 27.7427, 23.9274,
97.7640

■ 52.2002, 53.6996,
102.2216

■ 24.5915, 19.3477,
97.0461

■ 61.7344, 64.3454,
103.7739

■ 22.3862, 15.7437,
96.4667

■ 72.7886, 76.3886,
105.5159

■ 21.8292, 14.7784,
96.3097

■ 85.4290, 89.8808,
107.4539

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.



29.7329, 36.3757, 96.3815



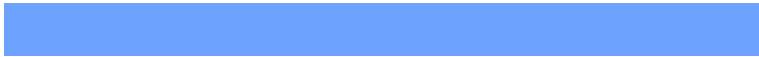
37.4007, 36.3757, 99.6577



45.3948, 36.3757, 82.8095

Triad

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



37.4007, 36.3757, 99.6577



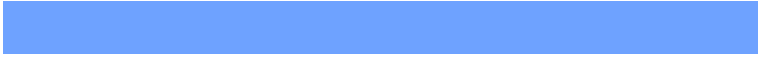
47.4740, 36.3757, 17.5567



22.1430, 36.3757, 26.7526

Complementary

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



37.4007, 36.3757, 99.6577



65.4118, 65.0999, 23.8717

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.



25.6259, 36.3757, 14.8633



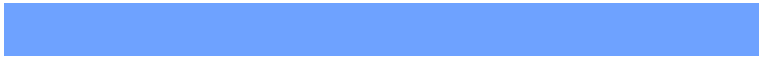
37.4007, 36.3757, 99.6577



39.9140, 36.3757, 11.1271

Square

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



37.4007, 36.3757, 99.6577



51.7710, 36.3757, 32.2342



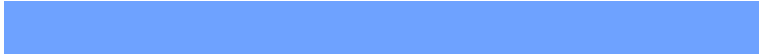
31.8935, 36.3757, 10.3765



21.6817, 36.3757, 48.0260

Rectangle

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



37.4007, 36.3757, 99.6577



49.5446, 36.3757, 65.1840



31.8935, 36.3757, 10.3765



22.9710, 36.3757, 21.7857

Sweetspot

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



37.4020, 36.3769, 99.6579



72.6232, 76.2103, 105.4902



52.8325, 79.0919, 68.2569



15.0431, 15.7706, 22.5011



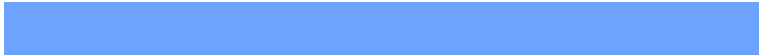
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.4020, 36.3769, 99.6579



31.4353, 28.8766, 98.5247



32.7315, 23.0670, 97.3350



17.5361, 18.4438, 22.8857



11.5341, 7.9778, 50.3665



1.2220, 0.9746, 4.9370

Inverse Universe

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



53.3384, 35.0220, 38.1322



49.2446, 29.2414, 29.3471



73.0566, 90.4219, 28.3564



18.2785, 18.0947, 20.0836



22.6101, 11.5333, 6.5972



2.2514, 1.1429, 0.9053

Previews

White Background



This preview shows how the XYZ color 37.4007, 36.3757, 99.6577 looks on a white background.

Color Contrast Check

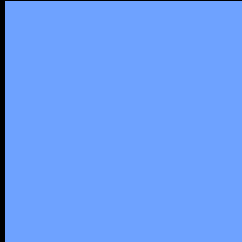
Large Text (above 18pt) WCAG AA × Fail

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 37.4007, 36.3757, 99.6577 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

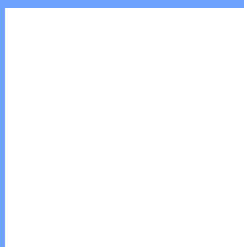
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4007, 36.3757, 99.6577

Background



This preview shows how black text looks on a background with the XYZ color 37.4007, 36.3757, 99.6577.



This preview shows how white text looks on a background with the XYZ color 37.4007, 36.3757,

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

37.4007, 36.3757, 99.6577

Protanopia

38.7212, 36.3366, 97.0683

Deuteranopia

37.5259, 36.4402, 99.6636



Tritanopia

28.2804, 36.2625, 54.2240

Trichromacy



Original Color

37.4007, 36.3757, 99.6577

Protanomaly

38.1856, 36.2984, 97.9222

Deuteranomaly

37.5259, 36.4402, 99.6636

Tritanomaly

31.0265, 35.9316, 68.9186

Monochromacy



Original Color

37.4007, 36.3757, 99.6577

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.8390, 34.2220, 55.3268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4007, 36.3757, 99.6577 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(110, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(110, 162, 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(110, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 162, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.4007, 36.3757, 99.6577 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(110, 162, 255) }
```


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

```
.border{ border-color:rgb(110, 162, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(110, 162,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4007, 36.3757, 99.6577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 162, 255) }
```

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

```
.background{ background-color: rgb(110,  
162, 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