

Converting Colors

XYZ(36.9417, 37.2018, 99.8414)

Have a look what the booklet for XYZ(36.9417, 37.2018, 99.8414) contains.

- XYZ(36.9417, 37.2018, 99.8414) 3**
- Conversions* 4**
- Details* 6**
- Harmonies* 12**
- Previews* 24**
- Color Blindness Simulation* 28**
- CSS Examples* 31**

Color

**XYZ(36.9417, 37.2018,
99.8414)**

Conversions

Conversions Part 1

Format	Color
Hex	64A6FF
RGB	100, 166, 255
RGB Percent	39%, 65%, 100%
CMY	0.6078, 0.3490, 0.0000
CMYK	0.61, 0.35, 0.00, 0.00
HSL	214°, 100%, 70%
HSV	214°, 61%, 100%
XYZ	36.9417, 37.2018, 99.8414
YIQ	156.4120, -67.9050, 13.6870

Conversions

Conversions Part 2

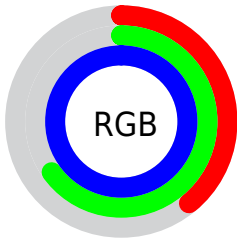
Format	Color
RYB	100, 146, 255
Decimal	6596351
CIELab	67.43, 5.29, -50.46
CIElCh	67, 50.738, 275.981
Yxy	37.2018, 0.2123, 0.2138
Android (android.graphics.Color)	4284786431 (0xFF64A6FF)
YUV	156.4120, 48.6039, -49.4733
Hunter-Lab	60.9933, 1.3736, -54.3580

Details

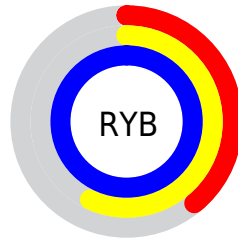
The XYZ color **36.9417, 37.2018, 99.8414** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **61.7393, 58.5776, 20.1111**, and the grayscale version is **31.5966, 33.2421, 36.2007**.

A 20% lighter version of the original color is **58.8067, 66.6143, 104.3661**, and **16.5375, 16.4488, 55.7294** is the 20% darker color. If you saturate the color by 10%, you get **32.0379, 30.9453, 98.8922**, and if you desaturate by 10%, it is **43.0334, 44.5216, 100.9332**.

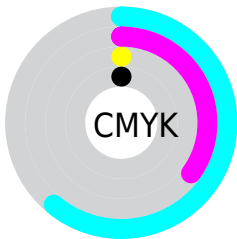
Distribution



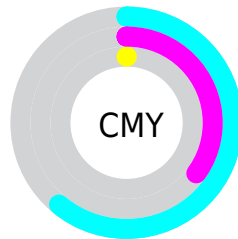
- Red (39%)
- Green (65%)
- Blue (100%)



- Red (39%)
- Yellow (57%)
- Blue (100%)



- Cyan (61%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9417, 37.2018, 99.8414 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 36.9417, 37.2018, 99.8414 by changing the saturation by 10% instead.

■ 36.9417, 37.2018,
99.8414

■ 36.9417, 37.2018,
99.8414

324.4180,
334.1834, 580.9264

■ 25.3358, 25.3638,
75.5519

■ 69.7975, 70.8830,
162.9892

■ 16.4575, 16.3483,
55.5607

■ 91.7782, 93.4951,
202.6846

■ 9.9414, 9.7709,
39.4492

■ 117.9478,
120.4672, 248.3524

■ 5.4221, 5.2474,
26.7989

148.6718,
152.1838, 300.4112

■ 2.5342, 2.3931,
17.1911

184.3154,
189.0294, 359.2794

■ 0.9126, 0.8223,
10.2074

225.2441,

■ 0.0000, 0.0000,

231.3882, 425.3757

5.4293

271.8231,
279.6447, 499.1185

■ 0.0000, 0.0000,
2.4382

■ 0.0000, 0.0000,
0.8071

■ 36.9417, 37.2018,
99.8414

■ 36.9417, 37.2018,
99.8414

■ 32.0379, 30.9453,
98.8922

■ 43.0334, 44.5216,
100.9332

■ 28.2226, 25.6843,
98.0778

■ 50.3933, 52.9589,
102.1738

■ 25.3839, 21.3458,
97.3900

■ 59.0985, 62.5675,
103.5697

■ 23.4737, 18.0673,
96.8579

■ 69.2186, 73.3965,
105.1265

■ 80.8179, 85.4916,
106.8497

■ 93.9568, 98.8962,
108.7446

■ 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.



29.6102, 37.2018, 93.6280



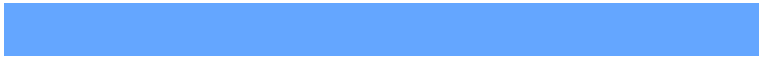
36.9417, 37.2018, 99.8414



44.9015, 37.2018, 86.0353

Triad

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



36.9417, 37.2018, 99.8414



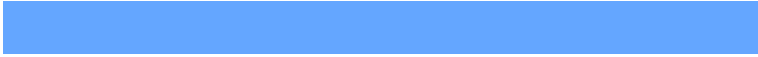
48.9060, 37.2018, 20.1816



23.3745, 37.2018, 25.4441

Complementary

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



36.9417, 37.2018, 99.8414



61.7393, 58.5776, 20.1111

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.



27.2747, 37.2018, 14.7790



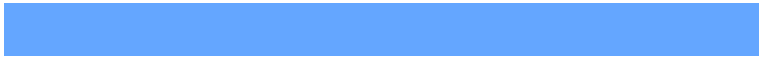
36.9417, 37.2018, 99.8414



41.8079, 37.2018, 12.6138

Square

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



36.9417, 37.2018, 99.8414



52.4311, 37.2018, 36.2024



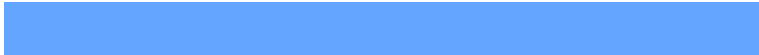
33.8225, 37.2018, 11.0823



22.4649, 37.2018, 45.1388

Rectangle

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



36.9417, 37.2018, 99.8414



49.2718, 37.2018, 69.5315



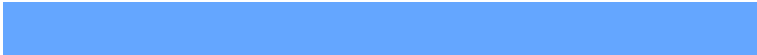
33.8225, 37.2018, 11.0823



24.3481, 37.2018, 20.9465

Sweetspot

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



36.9430, 37.2030, 99.8415



72.2937, 76.6317, 105.5888



50.0758, 77.8535, 59.8726



14.7858, 15.6784, 22.4969



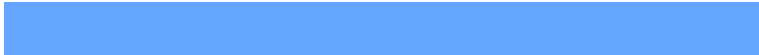
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.9430, 37.2030, 99.8415



31.1010, 29.6945, 98.7002



29.0807, 19.6726, 96.8722



17.6388, 18.6493, 22.9200



12.4062, 9.7220, 50.6572



1.3136, 1.1578, 4.9675

Inverse Universe

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



52.6810, 33.1290, 39.6954



48.7130, 27.6395, 30.8307



75.6008, 91.7929, 25.7917



18.3304, 18.1155, 20.3568



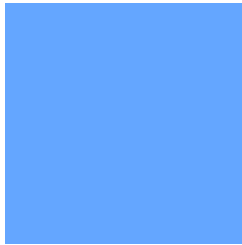
23.0503, 11.7094, 8.9152



2.2976, 1.1614, 1.1488

Previews

White Background



This preview shows how the XYZ color 36.9417, 37.2018, 99.8414 looks on a white background.

Color Contrast Check

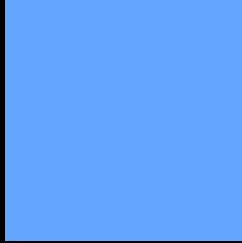
Large Text (above 18pt) WCAG AA × Fail

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 36.9417, 37.2018, 99.8414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

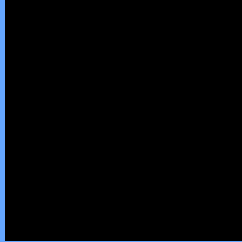
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

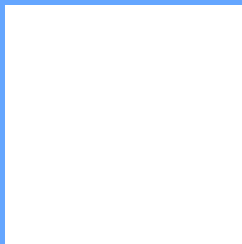
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9417, 37.2018, 99.8414

Background



This preview shows how black text looks on a background with the XYZ color 36.9417, 37.2018, 99.8414.



This preview shows how white text looks on a background with the XYZ color 36.9417, 37.2018,

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

36.9417, 37.2018, 99.8414

Protanopia

39.1862, 36.8690, 95.4936

Deuteranopia

38.2174, 37.0592, 99.7466



Tritanopia

28.1446, 37.0306, 56.1163

Trichromacy



Original Color

36.9417, 37.2018, 99.8414

Protanomaly

38.2367, 36.8620, 97.1952

Deuteranomaly

37.7559, 37.0859, 99.7761

Tritanomaly

31.0104, 37.0238, 70.4776

Monochromacy



Original Color

36.9417, 37.2018, 99.8414

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.2386, 34.1816, 54.7677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9417, 37.2018, 99.8414 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(100, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 166, 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(100, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 166, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.9417, 37.2018, 99.8414 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(100, 166, 255) }
```


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

```
.border{ border-color:rgb(100, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 166,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9417, 37.2018, 99.8414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 166, 255) }
```

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

```
.background{ background-color: rgb(100,  
166, 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](#).

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