

Converting Colors

XYZ(36.8195, 36.5378, 99.7196)

Have a look what the booklet for
XYZ(36.8195, 36.5378, 99.7196)
contains.

XYZ(36.9190, 36.6545, 99.7369)	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(36.9190, 36.6545,
99.7369)**

Conversions

Conversions Part 1

Format	Color
Hex	67A4FF
RGB	103, 164, 255
RGB Percent	40%, 64%, 100%
CMY	0.5960, 0.3569, 0.0000
CMYK	0.60, 0.36, 0.00, 0.00
HSL	216°, 100%, 70%
HSV	216°, 60%, 100%
XYZ	36.9190, 36.6545, 99.7369
YIQ	156.1350, -65.5670, 15.3690

Conversions

Conversions Part 2

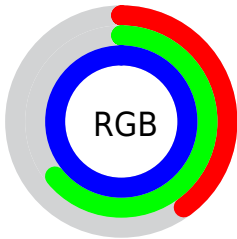
Format	Color
RYB	103, 147, 255
Decimal	6792447
CIELab	67.02, 6.98, -51.10
CIELCh	67, 51.578, 277.782
Yxy	36.6545, 0.2130, 0.2115
Android (android.graphics.Color)	4284982527 (0xFF67A4FF)
YUV	156.1350, 48.7404, -46.5994
Hunter-Lab	60.5430, 2.8988, -55.2927

Details

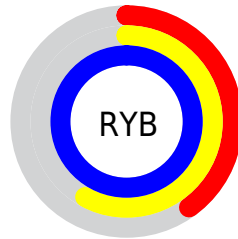
The XYZ color **36.9190, 36.6545, 99.7369** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **62.9817, 60.8257, 21.2551**, and the grayscale version is **31.4719, 33.1109, 36.0578**.

A 20% lighter version of the original color is **58.6914, 65.7755, 104.2103**, and **16.4991, 16.0941, 55.6630** is the 20% darker color. If you saturate the color by 10%, you get **31.8573, 30.2302, 98.7637**, and if you desaturate by 10%, it is **43.2028, 44.1968, 100.8615**.

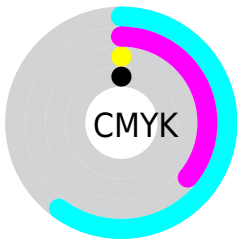
Distribution



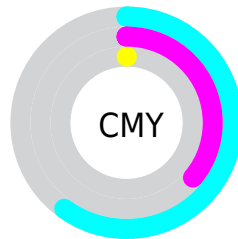
- Red (40%)
- Green (64%)
- Blue (100%)



- Red (40%)
- Yellow (58%)
- Blue (100%)



- Cyan (60%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9190, 36.6545, 99.7369 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 36.9190, 36.6545, 99.7369 by changing the saturation by 10% instead.

■ 36.9190, 36.6545,
99.7369

■ 36.9190, 36.6545,
99.7369

324.3213,
331.8123, 580.5883

■ 25.3182, 24.9401,
75.4652

■ 69.7628, 70.0411,
162.8443

■ 16.4443, 16.0324,
55.4900

■ 91.7365, 92.4821,
202.5170

■ 9.9319, 9.5471,
39.3929

■ 117.8986,
119.2673, 248.1606

■ 5.4157, 5.0997,
26.7554

148.6143,
150.7813, 300.1933

■ 2.5304, 2.3059,
17.1588

184.2491,
187.4084, 359.0340

■ 0.9106, 0.7768,
10.1846

225.1683,

■ 0.0000, 0.0000,

229.5330, 425.1010

5.4143

271.7373,
277.5395, 498.8129

■ 0.0000, 0.0000,
2.4294

■ 0.0000, 0.0000,
0.8024

■ 36.9190, 36.6545,
99.7369

■ 36.9190, 36.6545,
99.7369

■ 31.8573, 30.2302,
98.7637

■ 43.2028, 44.1968,
100.8615

■ 27.9184, 24.8538,
97.9336

■ 50.7892, 52.9134,
102.1442

■ 24.9913, 20.4507,
97.2379

■ 59.7560, 62.8602,
103.5915

■ 22.9063, 16.9139,
96.6652

■ 70.1731, 74.0884,
105.2097

■ 22.8339, 16.7879,
96.6446

■ 82.1057, 86.6458,
107.0046

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.



29.4473, 36.6545, 94.6583



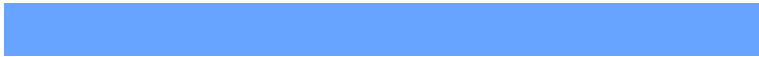
36.9190, 36.6545, 99.7369



44.9078, 36.6545, 84.6436

Triad

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



36.9190, 36.6545, 99.7369



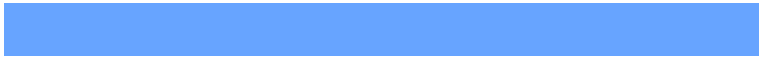
48.1535, 36.6545, 18.8834



22.6707, 36.6545, 25.7181

Complementary

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



36.9190, 36.6545, 99.7369



62.9817, 60.8257, 21.2551

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.



26.4003, 36.6545, 14.6006



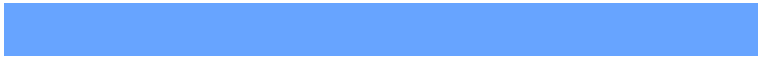
36.9190, 36.6545, 99.7369



40.8516, 36.6545, 11.8115

Square

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



36.9190, 36.6545, 99.7369



51.9984, 36.6545, 34.3488



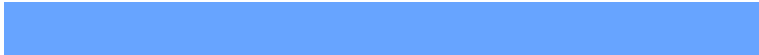
32.8386, 36.6545, 10.6086



21.9429, 36.6545, 46.0424

Rectangle

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



36.9190, 36.6545, 99.7369



49.2019, 36.6545, 67.6150



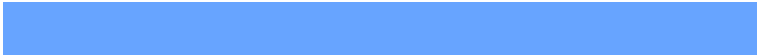
32.8386, 36.6545, 10.6086



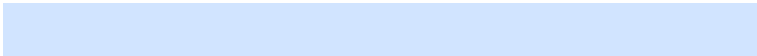
23.5846, 36.6545, 21.0443

Sweetspot

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



36.9203, 36.6557, 99.7371



71.9842, 76.0127, 105.4857



50.8324, 78.1952, 62.0918



14.7108, 15.5283, 22.4719



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.



36.9203, 36.6557, 99.7371



30.8153, 28.8495, 98.5521



30.0603, 20.6128, 97.0021



17.6013, 18.5741, 22.9074



12.0678, 9.0452, 50.5444



1.2785, 1.0878, 4.9558

Inverse Universe

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



52.7921, 33.6425, 38.8341



48.6356, 27.8643, 29.6346



74.9413, 91.4358, 26.5332



18.3114, 18.1079, 20.2569



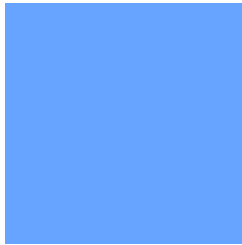
22.8795, 11.6411, 8.0157



2.2800, 1.1544, 1.0557

Previews

White Background



This preview shows how the XYZ color 36.9190, 36.6545, 99.7369 looks on a white background.

Color Contrast Check

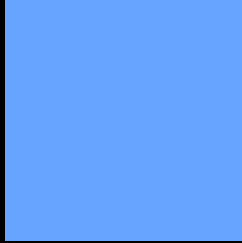
Large Text (above 18pt) WCAG AA × Fail

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 36.9190, 36.6545, 99.7369 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

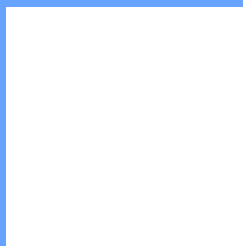
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9190, 36.6545, 99.7369

Background



This preview shows how black text looks on a background with the XYZ color 36.9190, 36.6545, 99.7369.



This preview shows how white text looks on a background with the XYZ color 36.9190, 36.6545,

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

36.9190, 36.6545, 99.7369

Protanopia

38.8640, 36.4284, 96.2498

Deuteranopia

37.6524, 36.5054, 99.6695



Tritanopia

28.0278, 36.7017, 54.8971

Trichromacy



Original Color

36.9190, 36.6545, 99.7369

Protanomaly

38.0613, 36.5111, 97.1368

Deuteranomaly

37.4539, 36.6656, 99.7109

Tritanomaly

30.6364, 36.2914, 69.0086

Monochromacy



Original Color

36.9190, 36.6545, 99.7369

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.2291, 33.9204, 54.7178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9190, 36.6545, 99.7369 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(103, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 164, 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(103, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 164, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.9190, 36.6545, 99.7369 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(103, 164, 255) }
```


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

```
.border{ border-color:rgb(103, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 164,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9190, 36.6545, 99.7369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 164, 255) }
```

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

```
.background{ background-color: rgb(103,  
164, 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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