

Converting Colors

XYZ(43.1483, 38.8911,
135.3119)

Have a look what the booklet for
XYZ(43.1483, 38.8911, 135.3119)
contains.

XYZ(36.2928, 36.0670, 99.6565)	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(36.2928, 36.0670,
99.6565)**

Conversions

Conversions Part 1

Format	Color
Hex	63A3FF
RGB	99, 163, 255
RGB Percent	39%, 64%, 100%
CMY	0.6117, 0.3608, 0.0000
CMYK	0.61, 0.36, 0.00, 0.00
HSL	215°, 100%, 69%
HSV	215°, 61%, 100%
XYZ	36.2928, 36.0670, 99.6565
YIQ	154.3520, -67.6760, 15.0440

Conversions

Conversions Part 2

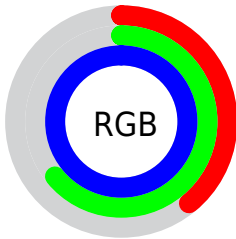
Format	Color
R _Y B	99, 144, 255
Decimal	6530047
CIE Lab	66.57, 6.83, -51.82
CIE LCh	67, 52.268, 277.510
Yxy	36.0670, 0.2110, 0.2097
Android (android.graphics.Color)	4284720127 (0xFF63A3FF)
YUV	154.3520, 49.6195, -48.5437
Hunter-Lab	60.0558, 2.7731, -56.3467

Details

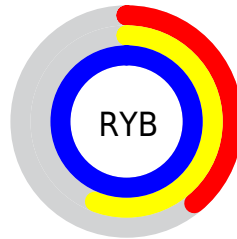
The XYZ color **36.2928, 36.0670, 99.6565** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **62.1249, 59.4257, 20.0026**, and the grayscale version is **30.6813, 32.2791, 35.1519**.

A 20% lighter version of the original color is **57.8193, 64.9399, 104.0950**, and **16.1252, 15.7367, 55.6137** is the 20% darker color. If you saturate the color by 10%, you get **31.4204, 29.8245, 98.7084**, and if you desaturate by 10%, it is **42.3644, 43.4001, 100.7520**.

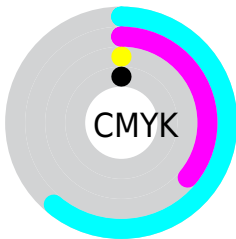
Distribution



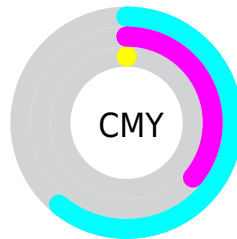
- Red (39%)
- Green (64%)
- Blue (100%)



- Red (39%)
- Yellow (56%)
- Blue (100%)



- Cyan (61%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2928, 36.0670, 99.6565 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 36.2928, 36.0670, 99.6565 by changing the saturation by 10% instead.

■ 36.2928, 36.0670,
99.6565

■ 36.2928, 36.0670,
99.6565

321.6475,
329.2533, 580.3281

■ 24.8316, 24.4859,
75.3984

■ 68.8047, 69.1355,
162.7328

■ 16.0797, 15.6945,
55.4356

■ 90.5860, 91.3917,
202.3881

■ 9.6718, 9.3082,
39.3497

■ 116.5381,
117.9750, 248.0129

■ 5.2425, 4.9428,
26.7219

147.0264,
149.2700, 300.0257

■ 2.4264, 2.2137,
17.1339

182.4161,
185.6609, 358.8451

■ 0.8583, 0.7275,
10.1670

223.0726,

■ 0.0000, 0.0000,

227.5321, 424.8896

5.4028

269.3613,
275.2681, 498.5778

■ 0.0000, 0.0000,
2.4226

■ 0.0000, 0.0000,
0.7987

■ 36.2928, 36.0670,
99.6565

■ 36.2928, 36.0670,
99.6565

■ 31.4204, 29.8245,
98.7084

■ 42.3644, 43.4001,
100.7520

■ 27.6464, 24.6028,
97.8994

■ 49.7169, 51.8801,
102.0012

■ 24.8571, 20.3261,
97.2210

■ 58.4285, 61.5627,
103.4110

■ 23.0619, 17.2438,
96.7206

■ 68.5696, 72.4985,
104.9873

■ 80.2057, 84.7349,
106.7359

■ 93.3979, 98.3167,
108.6622

■ 95.0500, 100.0000,
108.9000

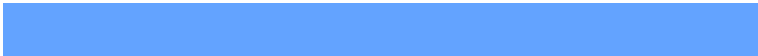
Harmonies

Analogous

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



28.8219, 36.0670, 94.3249



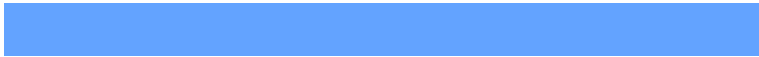
36.2928, 36.0670, 99.6565



44.3238, 36.0670, 84.5441

Triad

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



36.2928, 36.0670, 99.6565



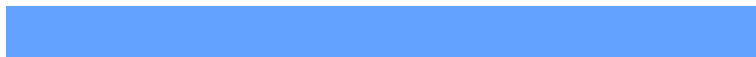
47.7108, 36.0670, 18.3824



22.1340, 36.0670, 24.9404

Complementary

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



36.2928, 36.0670, 99.6565



62.1249, 59.4257, 20.0026

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.



25.8821, 36.0670, 13.9824



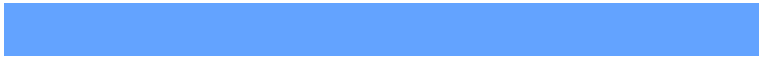
36.2928, 36.0670, 99.6565



40.3883, 36.0670, 11.3303

Square

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



36.2928, 36.0670, 99.6565



51.5399, 36.0670, 33.8842



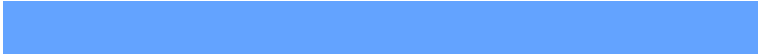
32.3442, 36.0670, 10.1032



21.3814, 36.0670, 45.2000

Rectangle

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



36.2928, 36.0670, 99.6565



48.6630, 36.0670, 67.3876



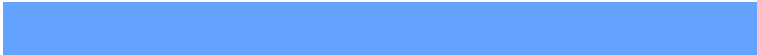
32.3442, 36.0670, 10.1032



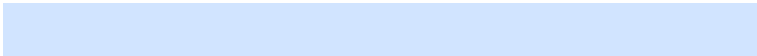
23.0543, 36.0670, 20.3179

Sweetspot

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



36.2941, 36.0682, 99.6567



72.0969, 76.2381, 105.5232



50.2012, 77.8910, 61.1059



14.7381, 15.5830, 22.4810



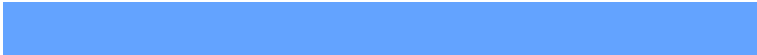
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.2941, 36.0682, 99.6567



30.6519, 28.7963, 98.5505



29.1958, 19.5906, 96.8503



17.6150, 18.6015, 22.9120



12.1885, 9.2866, 50.5847



1.2911, 1.1129, 4.9600

Inverse Universe

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



52.3137, 32.8298, 38.2307



48.4863, 27.5488, 29.6370



74.6308, 91.2984, 25.4955



18.3183, 18.1106, 20.2933



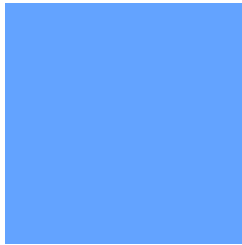
22.9404, 11.6654, 8.3366



2.2863, 1.1569, 1.0890

Previews

White Background



This preview shows how the XYZ color 36.2928, 36.0670, 99.6565 looks on a white background.

Color Contrast Check

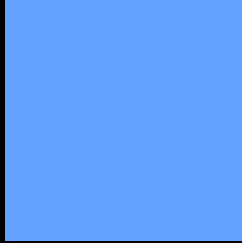
Large Text (above 18pt) WCAG AA × Fail

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 36.2928, 36.0670, 99.6565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

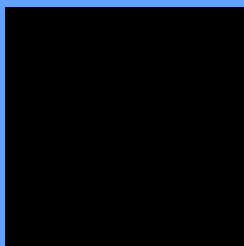
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

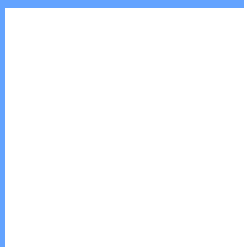
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2928, 36.0670, 99.6565

Background



This preview shows how black text looks on a background with the XYZ color 36.2928, 36.0670, 99.6565.



This preview shows how white text looks on a background with the XYZ color 36.2928, 36.0670,

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

36.2928, 36.0670, 99.6565

Protanopia

38.3918, 35.9308, 96.1787

Deuteranopia

37.1015, 35.9609, 99.5934



Tritanopia

27.2035, 35.9973, 54.2296

Trichromacy



Original Color

36.2928, 36.0670, 99.6565

Protanomaly

37.4776, 35.9518, 97.0596

Deuteranomaly

36.7960, 36.0639, 99.6294

Tritanomaly

29.9250, 35.6431, 68.9209

Monochromacy



Original Color

36.2928, 36.0670, 99.6565

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.2925, 32.9439, 53.9997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2928, 36.0670, 99.6565 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(99, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 163, 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(99, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 163, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.2928, 36.0670, 99.6565 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(99, 163, 255) }
```


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

```
.border{ border-color:rgb(99, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 163,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2928, 36.0670, 99.6565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 163, 255) }
```

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

```
.background{ background-color: rgb(99, 163,  
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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