

Converting Colors

XYZ(33.8960, 36.5262, 91.0233)

Have a look what the booklet for
XYZ(33.8960, 36.5262, 91.0233)
contains.

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Color

**XYZ(33.9104, 36.6569,
90.8762)**

Conversions

Conversions Part 1

Format	Color
Hex	51A9F4
RGB	81, 169, 244
RGB Percent	32%, 66%, 96%
CMY	0.6823, 0.3372, 0.0431
CMYK	0.67, 0.31, 0.00, 0.04
HSL	208°, 88%, 64%
HSV	208°, 67%, 96%
XYZ	33.9104, 36.6569, 90.8762
YIQ	151.2380, -76.5230, 4.6690

Conversions

Conversions Part 2

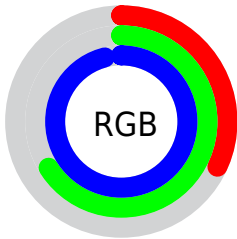
Format	Color
R _Y B	81, 138, 244
Decimal	5351924
CIE Lab	67.02, -3.22, -45.17
CIE LCh	67, 45.283, 265.928
Yxy	36.6569, 0.2100, 0.2271
Android (android.graphics.Color)	4283542004 (0xFF51A9F4)
YUV	151.2380, 45.7317, -61.5987
Hunter-Lab	60.5449, -5.9782, -46.6111

Details

The XYZ color **33.9104, 36.6569, 90.8762** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **50.6839, 43.6072, 13.5321**, and the grayscale version is **29.3526, 30.8813, 33.6297**.

A 20% lighter version of the original color is **56.3827, 66.5511, 104.4817**, and **15.3309, 16.3104, 49.3539** is the 20% darker color. If you saturate the color by 10%, you get **30.1829, 31.7670, 90.1296**, and if you desaturate by 10%, it is **38.5708, 42.2951, 91.7196**.

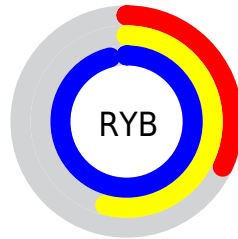
Distribution



Red (32%)

Green (66%)

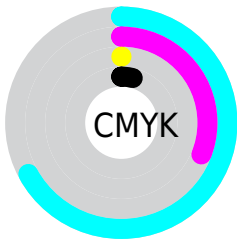
Blue (96%)



Red (32%)

Yellow (54%)

Blue (96%)

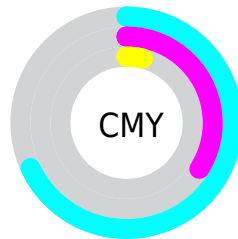


Cyan (67%)

Magenta (31%)

Yellow (0%)

Black (4%)



Cyan (68%)

Magenta (34%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9104, 36.6569, 90.8762 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 33.9104, 36.6569, 90.8762 by changing the saturation by 10% instead.

■ 33.9104, 36.6569,
90.8762

■ 33.9104, 36.6569,
90.8762

311.3253,
331.8227, 551.5205

■ 22.9873, 24.9420,
68.1298

■ 65.1395, 70.0448,
150.5010

■ 14.7048, 16.0338,
49.5360

■ 86.1763, 92.4865,
188.2165

■ 8.6974, 9.5481,
34.6762

■ 111.3150,
119.2726, 231.7587

■ 4.5999, 5.1004,
23.1320

■ 140.9210,
150.7875, 281.5463

■ 2.0468, 2.3063,
14.4848

175.3597,
187.4156, 337.9977

■ 0.6600, 0.7770,
8.3160

214.9964,

■ 0.0000, 0.0000,

229.5412, 401.5315

4.2072

260.1965,
277.5488, 472.5663

■ 0.0000, 0.0000,
1.7397

■ 0.0000, 0.0000,
0.3877

■ 33.9104, 36.6569,
90.8762

■ 33.9104, 36.6569,
90.8762

■ 30.1829, 31.7670,
90.1296

■ 38.5708, 42.2951,
91.7196

■ 27.2949, 27.5690,
89.4715

■ 44.2366, 48.7237,
92.6618

■ 25.1357, 23.9994,
88.8963

■ 50.9771, 55.9853,
93.7082

■ 24.5435, 22.9602,
88.7269

■ 58.8538, 64.1175,
94.8627

■ 67.9234, 73.1553,
96.1292

■ 78.2384, 83.1316,
97.5111

■ 89.8481, 94.0772,
99.0119

■ 93.3293, 99.3117,
99.8388

Harmonies

Analogous

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



27.9440, 36.6569, 80.2320



33.9104, 36.6569, 90.8762



40.9505, 36.6569, 84.5934

Triad

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



33.9104, 36.6569, 90.8762



48.1420, 36.6569, 25.5356



24.9933, 36.6569, 22.2300

Complementary

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



33.9104, 36.6569, 90.8762



50.6839, 43.6072, 13.5321

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.



29.3721, 36.6569, 14.6188



33.9104, 36.6569, 90.8762



42.7893, 36.6569, 16.0396

Square

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



33.9104, 36.6569, 90.8762



49.7702, 36.6569, 42.6641



35.7890, 36.6569, 12.7973



23.2430, 36.6569, 37.2830

Rectangle

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



33.9104, 36.6569, 90.8762



45.2345, 36.6569, 72.4850



35.7890, 36.6569, 12.7973



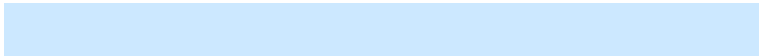
26.1760, 36.6569, 18.9372

Sweetspot

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



33.9118, 36.6581, 90.8771



71.6771, 77.5080, 105.7905



41.6075, 68.7967, 41.8135



14.7346, 15.9854, 22.5588



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.



33.9118, 36.6581, 90.8771



32.1831, 33.4596, 99.3699



23.3090, 15.4527, 87.3429



16.3223, 17.4089, 21.0425



13.4837, 12.7612, 48.2905



1.2878, 1.3271, 4.2785

Inverse Universe

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



47.4133, 27.9841, 40.4396



48.8685, 26.2055, 36.2616



68.7468, 79.7329, 19.5530



16.8733, 16.6322, 19.0792



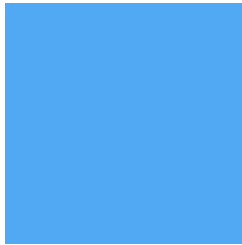
22.6105, 11.3876, 13.1889



2.0391, 1.0216, 1.4323

Previews

White Background



This preview shows how the XYZ color 33.9104, 36.6569, 90.8762 looks on a white background.

Color Contrast Check

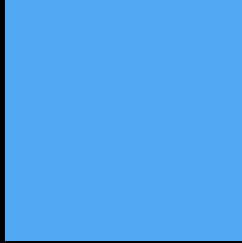
Large Text (above 18pt) WCAG AA × Fail

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 33.9104, 36.6569, 90.8762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

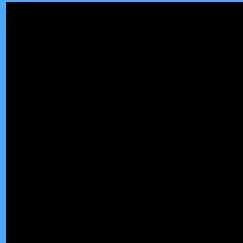
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

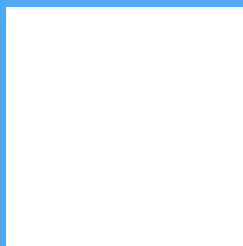
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9104, 36.6569, 90.8762

Background



This preview shows how black text looks on a background with the XYZ color 33.9104, 36.6569, 90.8762.



This preview shows how white text looks on a background with the XYZ color 33.9104, 36.6569,

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

33.9104, 36.6569, 90.8762

Protanopia

37.8550, 36.1708, 84.3434

Deuteranopia

37.4055, 36.2811, 92.2203



Tritanopia

27.0124, 36.7434, 56.1206

Trichromacy



Original Color

33.9104, 36.6569, 90.8762

Protanomaly

36.0133, 36.2083, 86.7521

Deuteranomaly

35.8203, 36.2693, 91.4989

Tritanomaly

29.1381, 36.4055, 67.7786

Monochromacy



Original Color

33.9104, 36.6569, 90.8762

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.5880, 32.3921, 50.5918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9104, 36.6569, 90.8762 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(81, 169, 244)` looks like.

```
.text, #text, p{  
    color:rgb(81, 169, 244)  
}
```

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(81, 169, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 169, 244) }
```

Border

The CSS property to change the border of an element to XYZ 33.9104, 36.6569, 90.8762 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(81, 169, 244) }
```


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

```
.border{ border-color:rgb(81, 169, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 169, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 169, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 169, 244);  
box-shadow:4px 4px 4px 4px rgb(81, 169,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9104, 36.6569, 90.8762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 169, 244) }
```

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

```
.background{ background-color: rgb(81, 169,  
244) }
```

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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